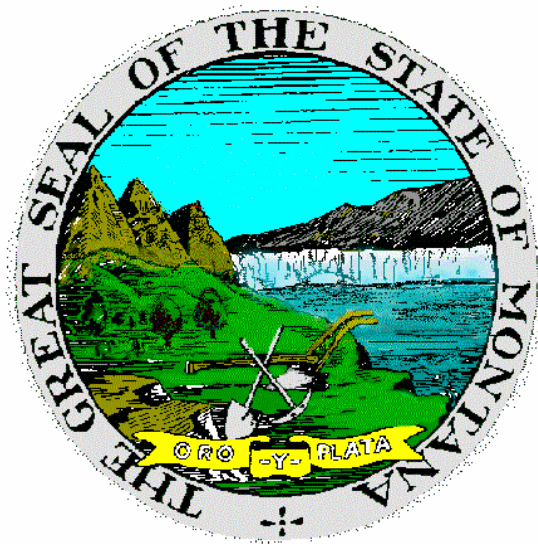


# Cancer in Montana

## 1999–2003

Montana Central Tumor Registry  
Annual Report



July 2005

# Cancer in Montana 1999-2003

An Annual Report of the  
Montana Central Tumor Registry

July 2005

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## ACKNOWLEDGMENTS

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The MCTR would also like to acknowledge its funding sources. The MCTR is funded in part by the Montana State General Fund and in part by the Centers for Disease Control - National Program of Cancer Registries (NPCR) under Cooperative Agreement U55/CCU821883-03.

## EXECUTIVE SUMMARY

The Montana Central Tumor Registry (MCTR) maintains a data-management system on the diagnosis, treatment and outcome of cancer and other reportable tumors in Montana, and has been collecting data continuously since 1979. The data that are collected and managed by the MCTR are the primary source of information regarding cancer in Montana. In 1995, the MCTR began a cooperative agreement with the Centers for Disease Control and Prevention (CDC) under the National Program of Cancer Registries (NPCR) to begin enhancement of the registry. The enhancements were to improve data collection, data quality, and data use.

Cancer and tumor cases are identified and collected from hospitals, pathology laboratories, radiation treatment centers, and death certificates in Montana. Physicians are not yet reporting cancer cases to the MCTR, but they do provide follow-up information on patients' treatment and vital status. About 60 hospitals, 2 independent radiation centers, 1 Veterans Administration Hospital, and 3 pathology laboratories provide cancer incident cases. The MCTR documents approximately 5,000 new cancer cases a year. Since 1990, reporting has been about 95 percent complete. However, a few hospitals have not reported completely and, therefore, some county rates may reflect a lower incidence.

This annual report represents a synthesis of cancer incidence for the entire state, as well as the 56 Montana counties, for 1999 through 2003. Data were aggregated over the five-year period to provide some stability to the rates presented in this report. Since Montana has a small population, the number of incident cases in a single year is relatively small. Consequently, yearly cancer incidence rates are subject to substantial variation.

Cancer is the second leading cause of death in Montana. It resulted in 1,838 deaths in 2003 and 9,397 deaths from 1999 through 2003. There were 22,477 cases of invasive cancer (all cancer sites combined), 2,831 in-situ cases, 61 cases of uncertain behavior, and 379 benign tumors diagnosed in Montana during the same five-year time period. The age-adjusted cancer mortality rate for all cancer sites combined was 190.8 per 100,000; while the age-adjusted cancer incidence rate was 469.3 per 100,000. The Montana cancer mortality and incidence rates were slightly less than the estimated national rates of 197.8 deaths per 100,000 and 480.4 cases diagnosed per 100,000. (Note that these incidence and mortality rates are age-adjusted to the 2000 standard million population. These rates are not comparable to rates presented in reports that were age-adjusted to the 1970 standard million population.)

When cancers were grouped according to selected anatomical site for analysis, the four most common types of invasive cancer reported among Montana residents during 1999 through 2003 were prostate, breast, lung, and colorectal. Together, these four types of cancer accounted for 59% of all incident cases, excluding cancers of unknown origin, over the five-year period. Sixteen types of invasive cancer accounted for 90% of diagnosed cases. This report provides detailed summaries of incidence, mortality, and ten-year incidence trends for the 16 most common cancers and for all cancer sites combined. In addition, a summary of cervical cancer is provided, since early detection efforts diagnose a large number of cases prior to invasion of surrounding tissues. The remaining types of cancer individually accounted for less than 1.13% of diagnosed cases. Tabularized data on the numbers of cancer cases diagnosed from 1999 through 2003 for all invasive cancers are provided in appendices A, F, and G.

## INTRODUCTION

Cancer is the term applied to all malignant tumors characterized by the uncontrolled growth and spread of abnormal cells. Cancer is the second leading cause of death in the United States and in Montana. In the years from 1999 through 2003, the various forms of cancer caused 9,397 deaths among Montana residents.

This report provides detailed summaries for 17 forms of cancer, accounting for more than 90% of incident cases in Montana from 1999 through 2003. The summaries include age-adjusted incidence and mortality rates, age-adjusted incidence rates by county, age-specific incidence rates by sex, stage at diagnosis, and 10-year incidence trends for Montana. A table of Montana county populations (Appendix B) is provided to assist with the interpretation of county incidence rates. Tables of incident cases by anatomical site, county, sex, and race are found in Appendices D, E, F, and G.

## REGISTRY OVERVIEW

### Purpose of the Montana Central Tumor Registry

The Montana Central Tumor Registry (MCTR) is a central state registry of all cancers diagnosed and/or treated in Montana. The MCTR uses a computer data system designed for the collection, storage, management, and analysis of the data collected and maintained.

Central cancer registries are organizations that collect, store, analyze, and interpret cancer data on people who are diagnosed and/or treated for cancer in population-based areas. The primary objective of the MCTR is to analyze the incidence, mortality, survival, and the changing frequency of cancer in Montana residents. Analysis is possible with complete, timely and quality data reporting.

Follow-up is conducted yearly on patients registered on the MCTR and is a necessary part of adequate care for cancer patients. It also provides valuable data for cancer end-results research. Follow-up insures continued medical surveillance and assures that cancer patients continue to see a physician for examination at least once a year. Meaningful end-result reporting can only be accomplished when a follow-up program is highly successful.

A central registry allows a hospital and its physicians to compare their cancer patient experiences and outcomes in managing certain types of cancer with results experienced elsewhere in the state.

## **History of the Montana Central Tumor Registry**

The MCTR has had a long, but sporadic, history. A number of Montana physicians, medical record personnel, and other organizations have contributed to the database that exists today.

The first effort at a Montana Tumor Registry began in the 1950's. It was the Mary Swift Tumor Clinic in Butte, MT and it was funded by a legacy donation. This registry contained mostly Butte residents and was under operation until 1983. Some of those residents are registered on the MCTR today.

In 1970, the Montana Medical Education and Research Foundation, Mountain States Regional Medical Program, established a Central Tumor Registry. It existed only for 18 months. This was phased out after the federal government discontinued funding the program. This data was never used.

Five years later, in 1975, the Montana Foundation for Medical Care attempted to re-establish the Tumor Registry, which only lasted another 18 months. This attempt failed not by choice of the participating hospitals, but because federal funds were once again eliminated. At that time, there were 33 hospitals voluntarily participating in the program. Again, this data was never used.

In 1979, the Montana Legislature approved the Montana Central Tumor Registry for two years. It was under the direction of the Department of Health and Environmental Sciences (DHES). Although the hospitals were concerned about the possible collapse of funding again, the program won the confidence of 46 hospitals that were willing to contribute their cancer data in order to provide uniform statewide cancer reporting. The DHES' goal was to study cancer treatment and prevention and to collect follow-up information.

Based largely on the favorable experience reported to it, the 1981 Montana Legislature continued funding the MCTR and made cancer a reportable disease, requiring all hospitals in the state to report their cancer cases.

The 1983 Montana Legislature approved House Bill 113, which provided for cancer reporting by independent clinical laboratories in addition to hospitals. This was important in helping the MCTR obtain more complete, reliable statistics and in furthering the objective of a valid population-based cancer registry for the state.

The 1997 Montana Legislature approved House Bill 370 that provided for cancer reporting from physicians or other health care practitioners who are diagnosing and/or treating patients without referring them to a hospital. The purpose of this addition to the law was to obtain even more complete cancer reporting. Presently, the Administrative Rules for physician reporting have not been written, so physicians are not yet reporting cancer cases to the MCTR.

## **Data Collection**

The MCTR collects data on all cancer patients who are residents of Montana or residents of other states who are diagnosed and/or treated for cancer in Montana. The MCTR has many interstate exchange agreements with other states where Montana residents may go for diagnosis or treatment of cancer and is able to collect data from those states. Residents of other states are not included in this report. As of March 2005, there are over 114,000 cancer cases registered on the MCTR.

## Reportable Cancer Cases

According to the Administrative Rules of Montana (16.32.501), the following tumors are to be submitted for reporting. Hospitals are required to submit reportable cancer cases to the MCTR within six months after the patient's discharge date. The list is based on cases that are categorized as malignant or in-situ by the *International Classification of Diseases for Oncology*, Third Edition (ICD-O-3):

A. All malignant neoplasms (including in-situ)

**EXCEPTION:** Basal Cell Carcinoma or Squamous Cell Carcinoma of the skin.

**NOTE:** Basal Cell Carcinoma and Squamous Cell Carcinoma of the eyelid, lip, labia, vulva, clitoris, penis, scrotum, prepuce, and anus must be included.

B. All benign tumors of the brain

INCLUDES: meningiomas (cerebral meninges)  
              pinealomas (pineal gland)  
              adenomas (pituitary gland)

C. All carcinoid tumors (malignant, benign, and NOS)

D. Ambiguous Terms

Terms that constitute diagnoses that are not histologically confirmed

Reportable

probable, suspect  
suspicious, apparent  
compatible with  
consistent with  
most likely

Not Reportable

approaching, worrisome  
equivocal, very close to  
questionable  
                  possible  
suggests



## **Confidentiality of Cancer Information**

Confidentiality is of vital importance; the privacy of patients, physicians, and hospitals is strictly maintained.

All data concerning cancer patients is held in strict confidence by the MCTR. As it is elsewhere, confidentiality is an issue of increasing concern to cancer registries. The policy of the MCTR prohibits release of any patient-identifying information to third parties. Data is released only in statistically summarized form so that individual patients, hospitals, or physicians cannot be identified. Furthermore, statistically summarized information is released only to individuals or organizations that are qualified to perform and interpret data analyses and who employ safeguards against any unauthorized disclosure.

## **Quality Assurance of Data Collected**

Accuracy and consistency are essential in tumor registry reporting. The MCTR performs quality control edits on all abstracts and follow-ups received. Procedures for review include visual review, computerized data edits, and hospital or physician queries.

The MCTR will perform quality assurance tasks upon receipt of abstracts from each reporting institution. Periodic review procedures also include re-abstracting of cases and casefinding studies. The reporting facility is required to resolve incomplete, incorrect, or inconsistent data upon MCTR query.

## **Activities of the Montana Central Tumor Registry**

1. Provide centralized cancer surveillance in Montana.
  - a. Receive reports of cancer cases and incorporate the information into a statewide electronic database composed of cancer incidence, treatment, follow-up and mortality data on Montana residents and non-residents diagnosed and/or treated in Montana.
  - b. Monitor cancer reporting by applying quality assurance/control standards to all data.
  - c. Maintain valid data suitable on a city, county, state, or national level.
  - d. Maintain and ensure the security of the cancer database.
  - e. Document and provide data on cancer occurrence, distribution, and therapy in Montana. Document any unusual patterns of cancer cases in a community either in incidence, changing patterns, or results of therapy over time. Monitor cancer incidence in possible association with known or suspected carcinogens.
  - f. Calculate and interpret statistics on occurrence, stage at diagnosis, treatment, and survival by primary site of the cancer and by geographic and demographic variables.
  - g. Provide community-based public information about cancer incidence and prevalence.
2. Assist the physician in cancer care delivery by providing treatment and survival results.
  - a. Report summary statistics on each hospital or institution's cancer experience periodically to benefit the hospital staff, patients, and medical practices.
  - b. Provide information to medical professionals on their practices, hospitals, or for Montana as a whole.

3. Facilitate annual, lifetime follow-up for each cancer patient and early detection of metastatic disease, second primary cancers, and some cancer recurrences by sending yearly patient follow-up reminders to physicians.
4. Provide support and services to participating hospital cancer registries.
  - a. Assist in establishing and maintaining hospital-based tumor registries. Educate professionals about cancer reporting and supply necessary forms. Conduct tumor registrar training and continuing education.
  - b. Assist hospital tumor registrars in interpretation and use of MCTR registry maintenance and statistical reports.
5. Define areas for further education and research.

### **Reporting Completeness**

Since 1995, cancer reporting has been about 95 percent complete. Estimated new cases are calculated using an incidence-to-mortality ratio. A few hospitals have not reported completely, so county rates may reflect lower incidence than has actually occurred.

## TECHNICAL NOTES AND DEFINITIONS

### Incidence and Mortality Summaries

Data on incidence and mortality are, in part, dependent on population size. Consequently, the numbers of cancer cases and cancer deaths are standardized as rates (i.e., the number of cases or deaths per 100,000 people). These rates are age-adjusted to a standard population (the 2000 U.S. standard million population) to minimize the effect of variation in age distributions between populations (e.g., between counties or between Montana and the national population). The U.S. Census Bureau population estimates for Montana for the years 1999 through 2003 were used to compute Montana incidence and mortality rates, county incidence rates, and age-specific incidence rates.

Incidence rate: The cancer incidence rate is the number of new cases diagnosed during the specified time period per 100,000 people (using the sum population over the time period in the denominator). Montana cancer incidence rates are provided for the time period 1999 through 2003, while the time period for U.S. cancer incidence rates is 1998 through 2002. All incidence rates are standardized to the 2000 U.S. Standard Million Population by the direct method. All incidence rates are for invasive cancer only except for bladder, which includes in-situ. Basal cell carcinoma and squamous cell carcinoma of the skin were excluded.

Mortality rate: The cancer mortality rate is the number of deaths due to cancer occurring in the population during the specified time period per 100,000 people (using the sum population over the time period in the denominator). The time period for Montana cancer mortality rates is 1999 through 2003 and U.S. mortality rates are 1998 through 2002. The U.S. mortality data were provided by the National Center for Health Statistics (NCHS). All mortality rates are standardized to the 2000 U.S. Standard Million Population by the direct method.

Note of caution: County cancer incidence and mortality rates should be viewed in consideration of county population size (Appendix B) and the number of cancer cases per county (Appendices F and G). (Also, see section on data limitations below).

### Age-specific Incidence Rates

Montana age-specific rates are calculated for five-year age groupings by dividing the number of cases by the total five-year population of that age group and are expressed as a rate per 100,000 people. Age-specific incidence rates are for invasive cancer only except for bladder, which includes in-situ.

## **Stage at Diagnosis**

The staging of cancers is based on the extent of disease, its extent of spread to surrounding tissue and/or regional lymph nodes, and the presence or absence of distant metastases. The stages in order of increasing spread are in-situ, localized, regional, and distant. The MCTR data contain the stage of diagnosis coded according to the *SEER Summary Staging Manual 2000* guidelines.

<u>In-situ</u>	A neoplasm that fulfills all the microscopic criteria for a malignancy but does not invade or penetrate surrounding tissue. It is non-invasive.
<u>Localized</u>	An invasive neoplasm confined entirely to the organ of origin.
<u>Regional</u>	A neoplasm that has extended beyond the limits of the organ of origin directly into the surrounding organs or tissues; into regional lymph nodes; or both direct extension and regional lymph node involvement.
<u>Distant</u>	A neoplasm that has spread to parts of the body remote from the primary tumor, either by direct extension or by discontinuous metastasis.
<u>Unstaged</u>	Information is not sufficient to assign a stage.

Frequency distributions of cases according to their stage at diagnosis are provided in the detailed summaries of all cancer sites combined and the 17 most common cancers.

## **95% Confidence Intervals**

Confidence intervals (95%) are provided with the estimated five-year relative survival rates and age-adjusted incidence rates (Appendix A) for Montana. The confidence intervals provide information regarding the reliability of the estimates. There is a 95% probability that the confidence interval surrounding (i.e., above and below) the estimated value actually includes the true value for the population.

## **Risk Factors**

Risk factors are listed in the site-specific cancer summaries for the 17 most common cancers and all cancer sites combined. These listings briefly summarize information from a few selected references. Cancers are complex diseases, most of which have multiple factors contributing to their development. The risk factors presented in this report are not intended to represent a definitive and comprehensive list; rather they are a starting point for the interested reader. Risk factors may change with continuing research.

### **Data Limitations**

Montana is a sparsely populated state, with a total estimated population of 902,195 in the year 2000 and a population density of approximately 6 per square mile. County population sizes range from 493 in Petroleum County to 129,352 in Yellowstone County. (See Appendix B).

Because of the low population numbers and relative rarity of some forms of cancer, the numbers of cancer cases and cancer deaths can be very low. Small numbers are particularly problematic when data are grouped by county, sex, or age. Aggregating data over a five-year period helps to offset the instability, but does not eliminate it. Caution must be exercised when examining incidence rates by county and incidences of relatively rare cancers. The size of county populations should be taken into consideration when examining incidence rates among counties. Absolute numbers of incident cases per county are presented in Appendices F and G and a table of county populations is found in Appendix B. Also, please refer to Appendix A, which reports county incidence rates with associated 95% confidence intervals.

### **National Rates**

Incidence, mortality, and survival rates from the National Cancer Institute's Surveillance, Epidemiology, and End Results (SEER) Program were used as estimates of U.S. rates for comparison to Montana rates. SEER data are gathered from 11 geographic areas of the U.S. These geographic areas are considered by SEER to be "reasonably representative subsets of the United States Population."

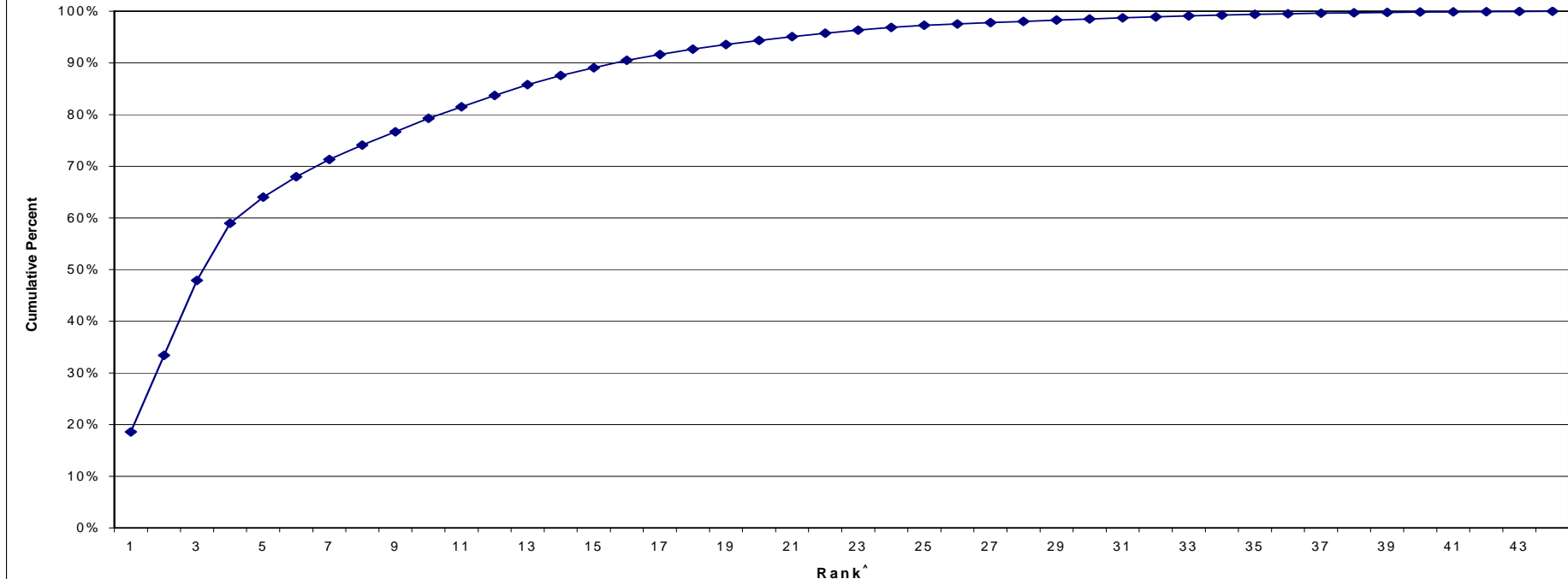
## THE MOST COMMON CANCERS

From 1999 through 2003, a total of 25,748 tumor cases were documented by MCTR, including invasive and in-situ cancers, benign tumors, and tumors of uncertain behavior type. Invasive cancers accounted for 22,477 cases, while carcinoma in-situ accounted for 2,831 cases. Cancers were reported for 44 primary anatomical sites. However, in 840 cases the origin (primary site) of the cancer was unknown or not clearly defined.

When invasive cancers of known origin were grouped by selected anatomical site for analysis, 16 sites accounted for 90% of cases (Figure 1). The four most common types of cancer reported among Montana residents during 1999 through 2003 were prostate (19%), breast (15%), lung (14%), and colorectal (11%). The percent of cases accounted for by site declines substantially following the four most common sites. For example, bladder ranked fifth, yet accounted for less than five percent of invasive cancers. Primary cancer site ranking is tabulated in Appendix E.

Detailed summaries of incidence, mortality, and 10-year incidence trends are provided for the 16 most common cancers (accounting for 90% of incident cases) and for all cancer sites combined. In addition, a detailed summary is included for cancer of the uterine cervix (ranked 19<sup>th</sup>). Many cases of cervical cancer were diagnosed at an in-situ stage (849 cases) due to extensive screening efforts, without which these cases likely would have become invasive. The remaining cancer sites individually accounted for less than 1% of diagnosed cases. Tabularized data on the numbers of cancer cases diagnosed from 1999 through 2003 are provided in Appendices D through G.

**Figure 1. Ranked Cumulative Percent of Invasive Cancers by Anatomical Site<sup>#</sup>, Montana 1999-2003**



Rank	Site	Rank	Site	Rank	Site	Rank	Site
1	Prostate	12	Pancreas	23	Hodgkin Lymphoma	34	Ureter
2	Breast	13	Thyroid	24	Soft Tissue	35	Other Endocrine
3	Lung & Bronchus	14	Ovary	25	Small Intestine	36	Penis
4	Colorectal	15	Brain & Other CNS	26	Other Biliary	37	Peritoneum
5	Bladder*	16	Stomach	27	Anus & Anocanal	38	Retroperitoneum
6	Non-Hodgkin Lymphoma	17	Multiple Myeloma	28	Vulva	39	Other Digestive Organs
7	Melanoma	18	Esophagus	29	Other Skin Cancers	40	Vagina
8	Leukemia	19	Cervix	30	Gallbladder	41	Other Female Genital Organs
9	Kidney & Renal Pelvis	20	Larynx	31	Bones & Joints	42	Trachea & Pleura
10	Uterus	21	Liver	32	Eye	43	Other Urinary Organs
11	Oral Cavity & Pharynx	22	Testis	33	Nasal Cavity & Sinuses	44	Other Male Genital Organs

<sup>#</sup> See site groupings in Appendix E. Non-Hodgkin Lymphoma (NHL) and Hodgkin Lymphoma are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

<sup>^</sup> Sites were ranked in descending order according to their respective percentage of the total number of invasive cancer cases. Then cumulative percentages were computed and graphed. To read this graph, examine the y-axis, for example 50%, and drop an imaginary line down to the x-axis, in this case rank number 3. This tells you that three cancer sites (prostate, breast, and lung & bronchus) account for 50% of invasive cancer cases, according to this grouping. Similarly, eight sites account for approximately 75% of all cases.

\* Bladder cases include invasive and in-situ behaviors.

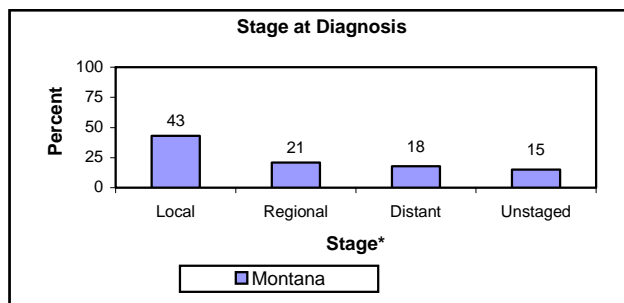
## SUMMARIES FOR SPECIFIC CANCERS

All Cancers  
Bladder  
Brain & Other Nervous System  
Breast (female)  
Cervix  
Colon & Rectum  
Kidney & Renal Pelvis  
Leukemia  
Lung  
Melanoma of the Skin  
Non-Hodgkin Lymphoma  
Oral Cavity & Pharynx  
Ovary  
Pancreas  
Prostate  
Stomach  
Thyroid  
Uterus

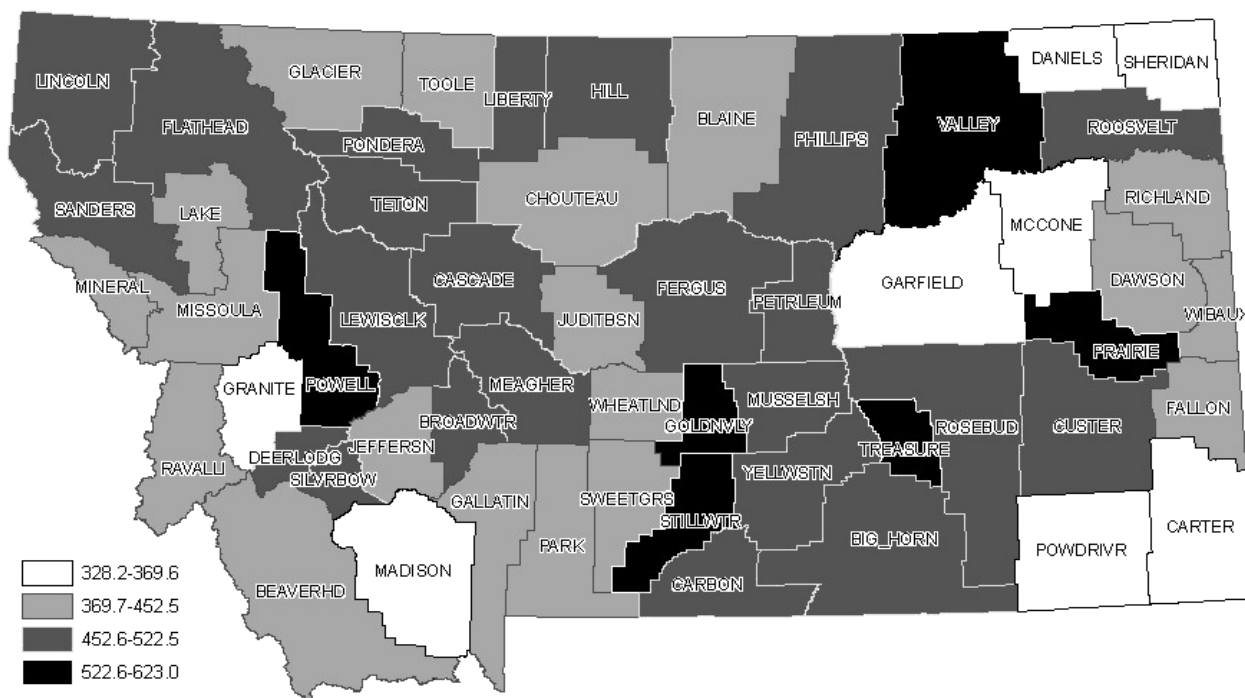


# All Cancers

Incidence and Mortality Summary <sup>a</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
<b>Incidence Rate<sup>b</sup></b>	551.9	406.2	469.3	567.0	421.9	480.4
<b>Mortality Rate<sup>b</sup></b>	231.2	162.6	190.8	247.5	165.5	197.8
<b>Number of cases:</b>	<b>Montana only</b>					
	<b>Male</b>	<b>Female</b>	<b>Total</b>			
<b>Invasive</b>	11,990	10,487	22,477			
<b>In-Situ</b>	829	2,002	2,831			
<b>Uncertain</b>	18	43	61			
<b>Benign</b>	130	249	379			



\* U.S. data for stage at diagnosis are unavailable.



## Risk and Associated Factors

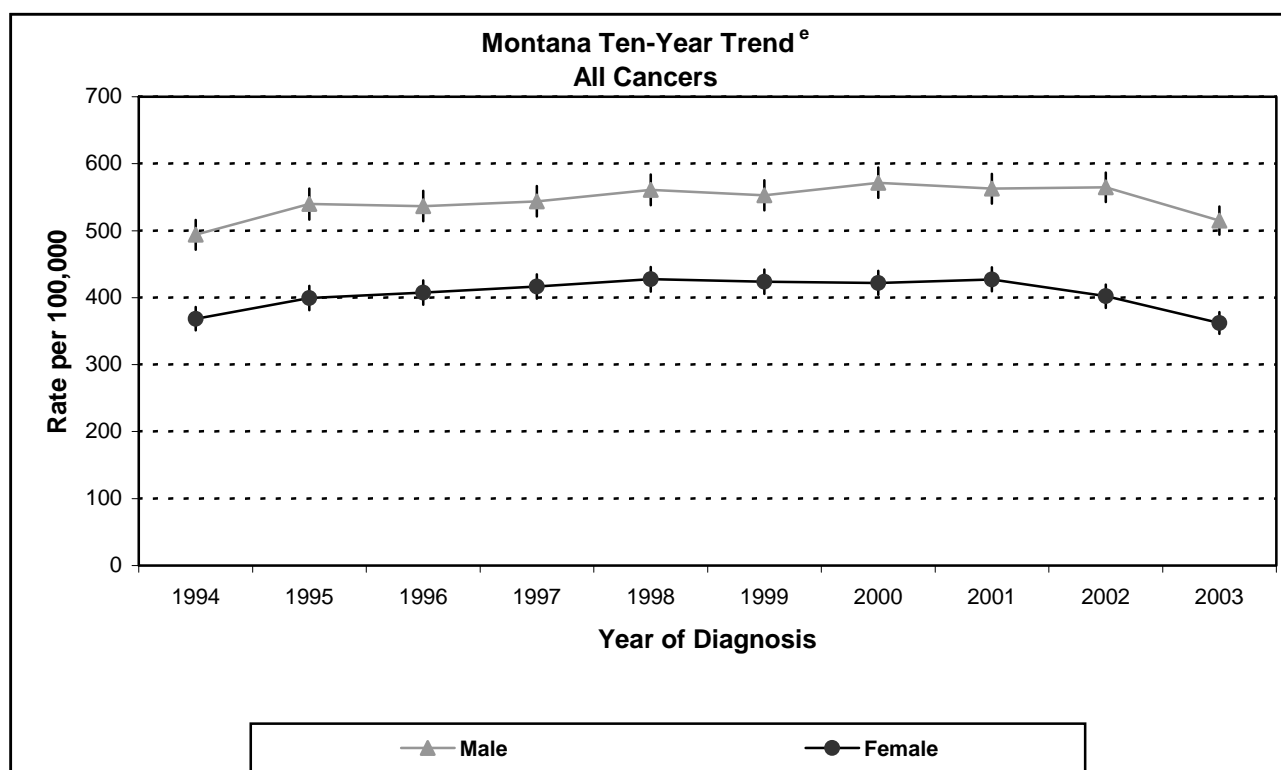
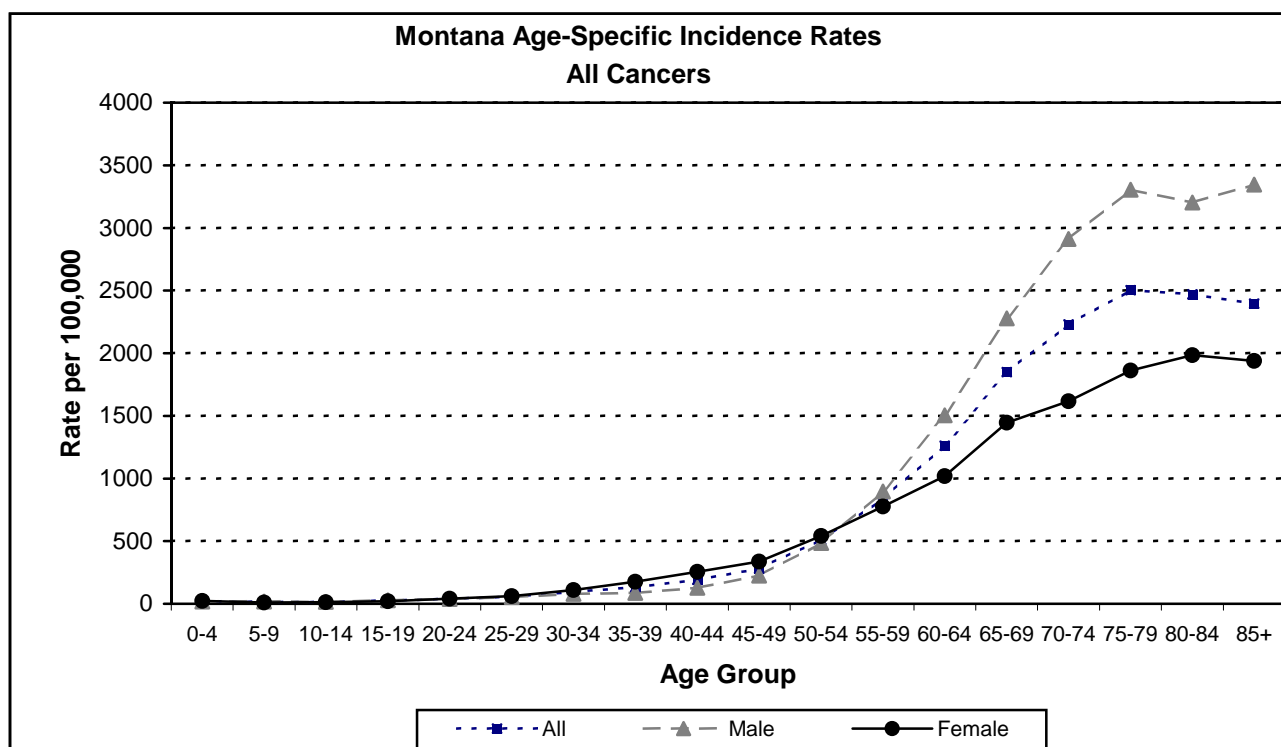
**Age:** As we age, we are more likely to develop cancer. Cancer is most often found in people over the age of 60.<sup>1</sup>

**Gender:** Looking at all cancers combined, men are more likely to be diagnosed with a cancer than women.<sup>1</sup>

**Race:** Looking at all cancers, African Americans are more likely to be diagnosed with a cancer than people of other races.<sup>1</sup>

<sup>a</sup> Rates include all invasive cases plus bladder in-situ cases.

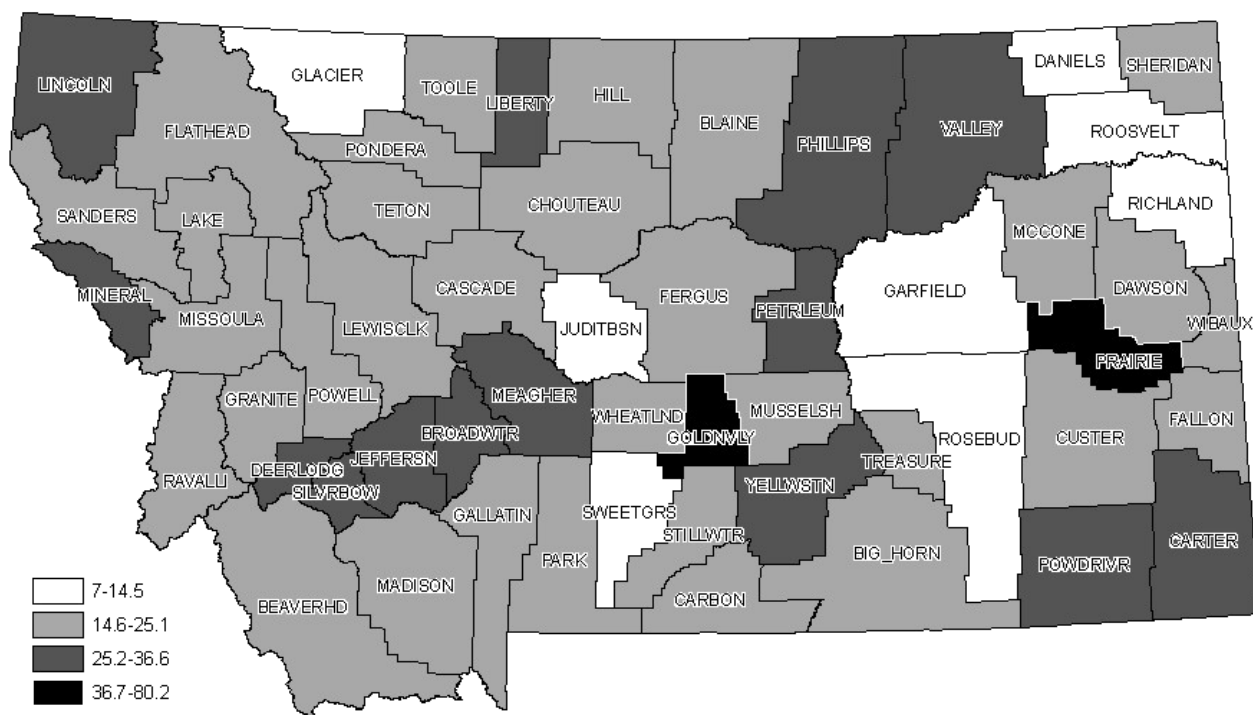
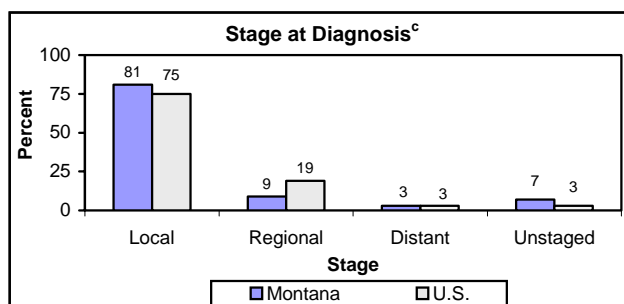
<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.



<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Bladder

Incidence and Mortality Summary <sup>a</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
<b>Incidence Rate<sup>b</sup></b>	39.1	9.7	22.6	37.6	9.6	21.3
<b>Mortality Rate<sup>b</sup></b>	8.0	2.4	4.7	7.6	2.3	4.4
<b>Number of Cases:</b>						
	<b>Montana Only</b>					
	Male	Female	Total			
<b>Invasive</b>	482	162	644			
<b>In-Situ</b>	372	102	474			
<b>Uncertain</b>	0	0	0			
<b>Benign</b>	0	0	0			



**Race:** Whites develop bladder cancer twice as often as African Americans and Hispanics.<sup>1,2</sup>

**Occupation:** Workers in the rubber, chemical, and leather industries are at risk of getting bladder cancer from carcinogens in their workplace. Other workers with an increased risk include hairdressers, machinists, metal workers, printers, painters, textile workers, and truck drivers.<sup>2</sup>

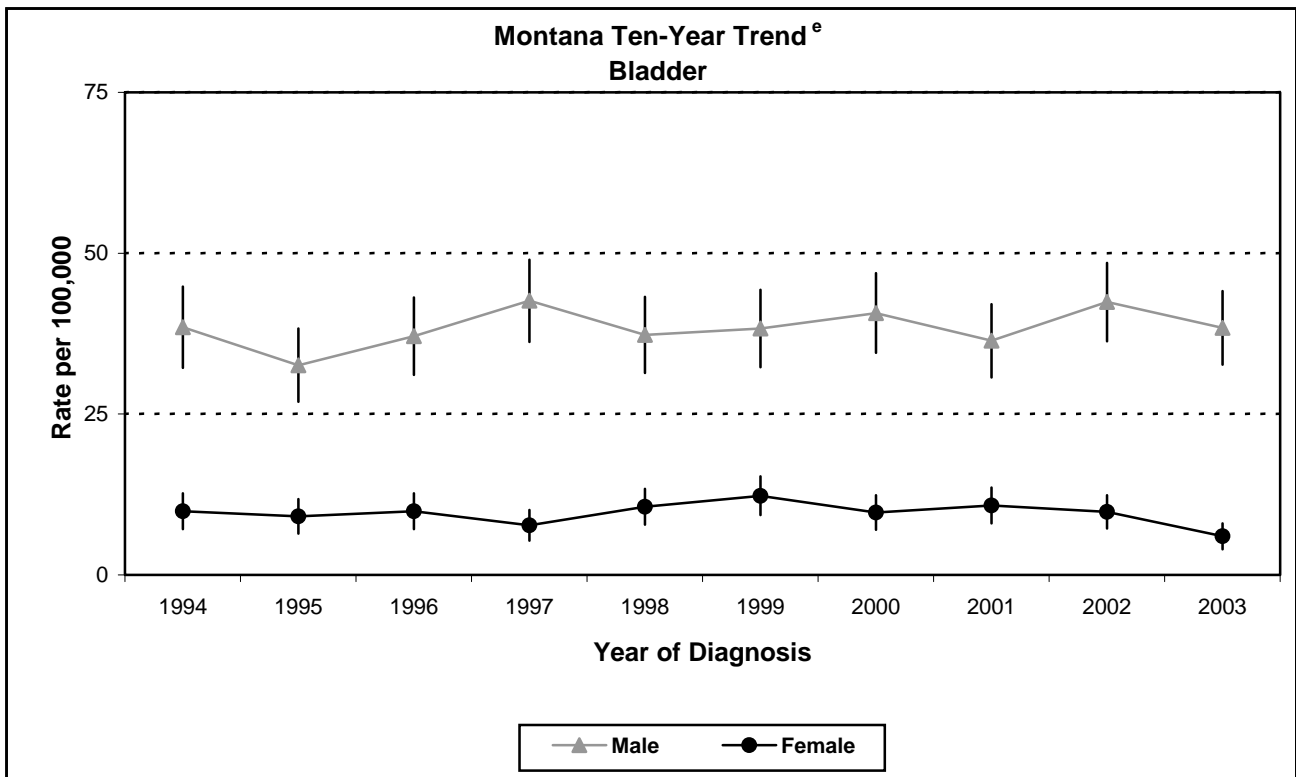
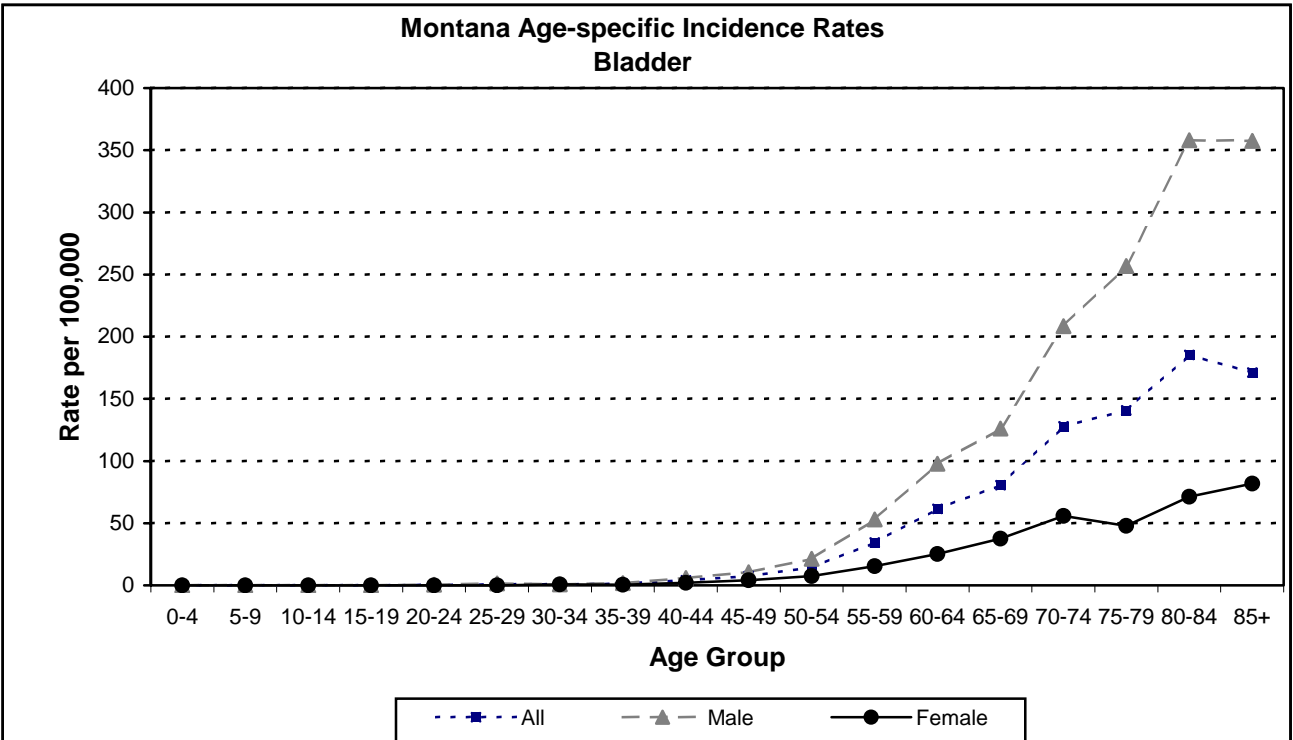
**Environment:** Exposure to high levels of arsenic increases the risk of bladder cancer.<sup>2</sup>

**Family History:** People with family members who have bladder cancer are more likely to develop bladder cancer themselves.<sup>2</sup>

<sup>a</sup> Rates include all invasive cases plus bladder in-situ cases.

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

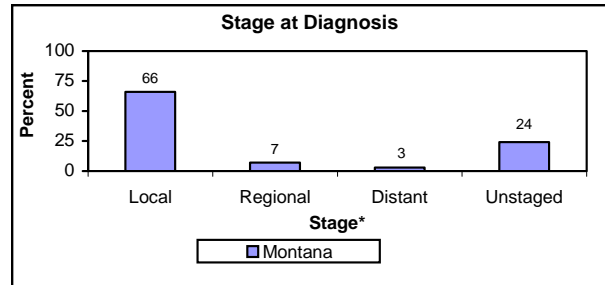
<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.



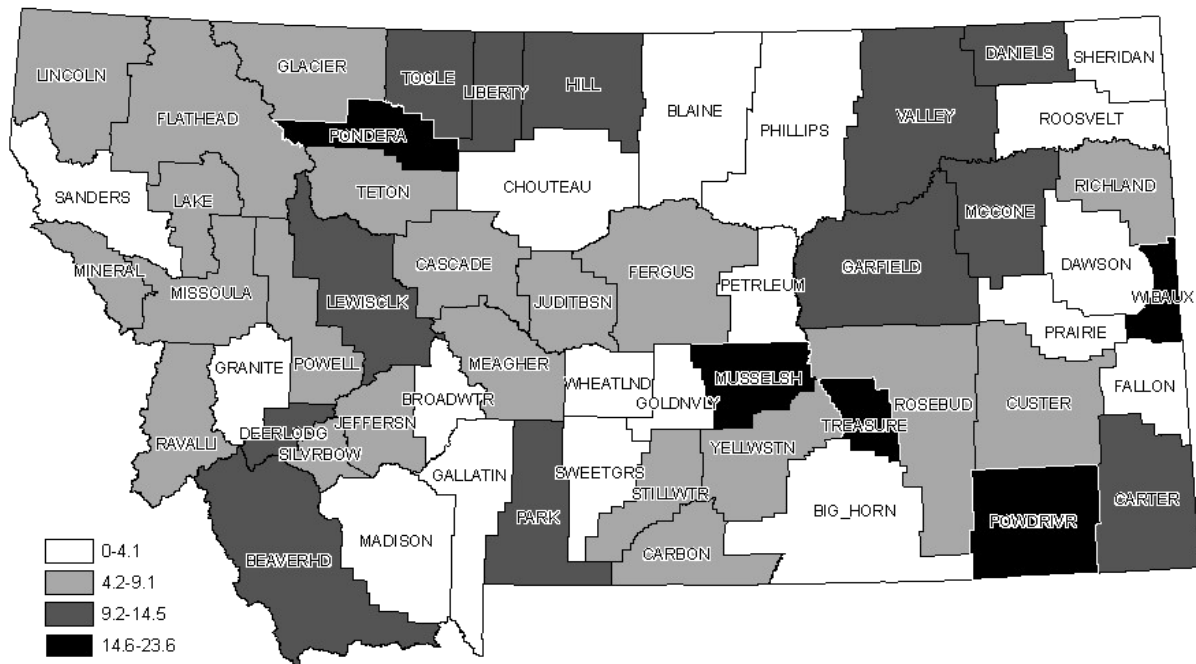
<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Brain & Other Nervous System

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	8.2	5.6	6.9	7.9	5.5	6.6
Mortality Rate <sup>b</sup>	5.4	4.5	4.9	5.6	3.7	4.5
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	185	140	325			
In-Situ	0	0	0			
Uncertain	6	7	13			
Benign	43	68	111			



\* U.S. data for stage at diagnosis are unavailable.



children after leukemia. Most childhood brain cancers occur in children under 10.<sup>1,2</sup>

**Gender:** Most types of brain tumors are more common among men than women.<sup>1,2</sup>

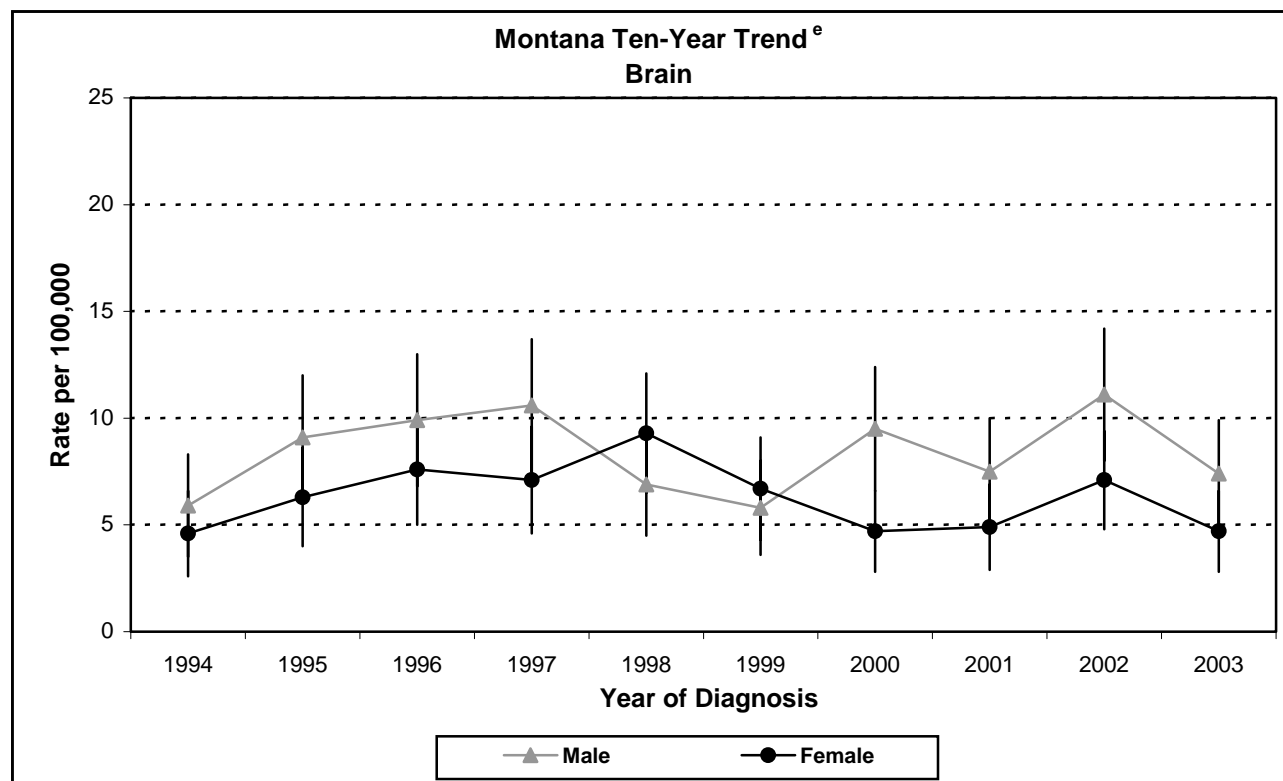
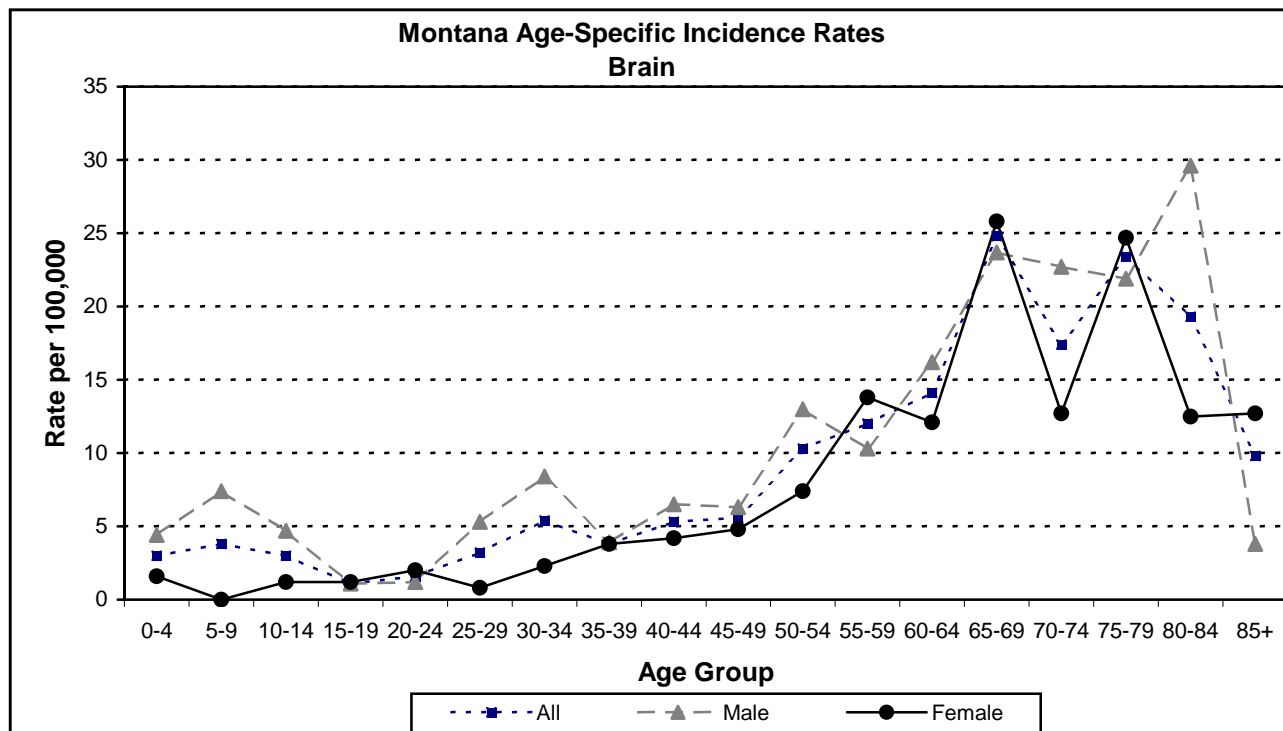
**Race:** Brain tumors are more common among white people than people of other races.<sup>1,2</sup>

**Environment:** Exposure to radiation, formaldehyde, vinyl chloride, or acrylonitrile (from textile and plastic manufacturing) may increase the risk of brain cancer.<sup>2</sup>

**Family History:** People with family members who have brain cancer are more likely to develop brain cancer themselves.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

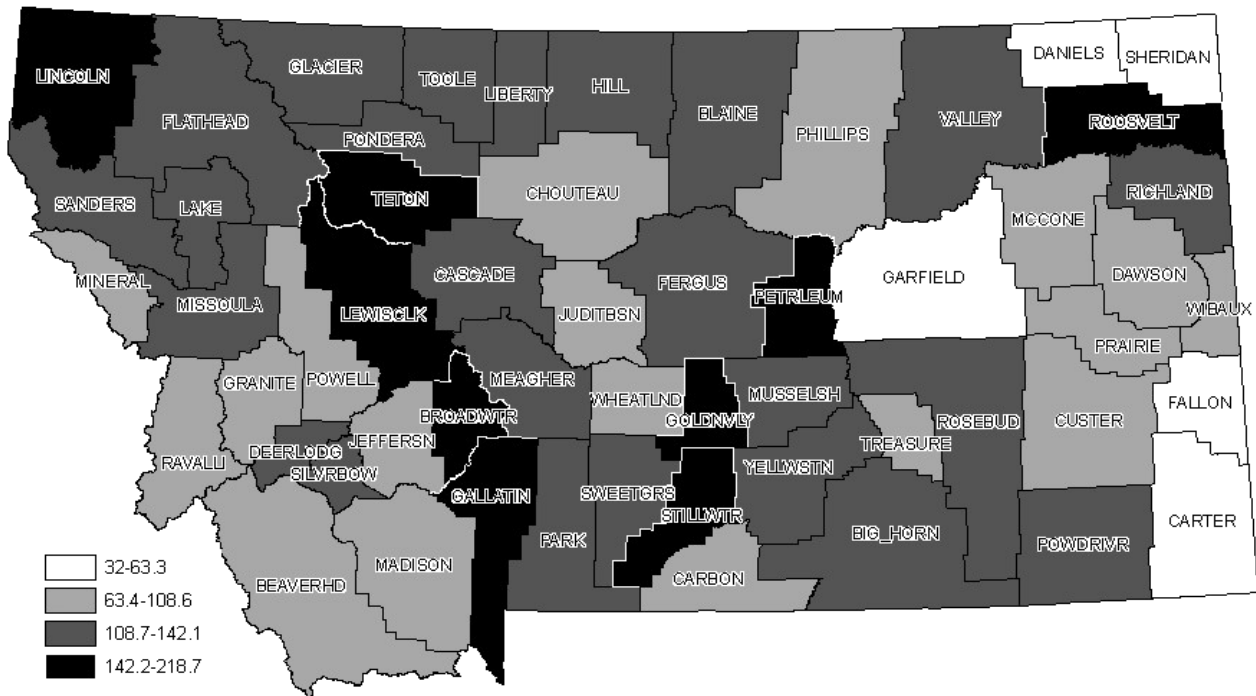
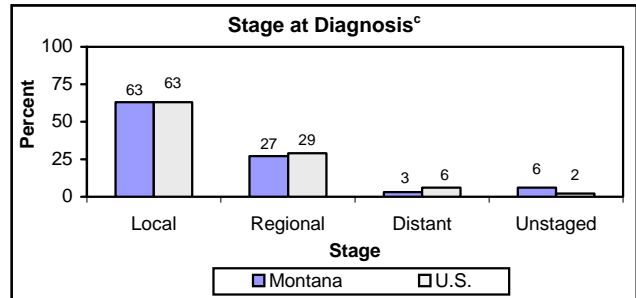
<sup>g</sup> Rates include invasive cases only.



<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Breast (female)

Incidence and Mortality Summary <sup>d</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	-	126.0	-	-	137.1	-
Mortality Rate <sup>b</sup>	-	23.7	-	-	26.4	-
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	-	3,258	-			
In-Situ	-	742	-			
Uncertain	-	0	-			
Benign	-	0	-			



**Genetics:** Changes in the BRCA1 or BRCA2 genes increase the risk of breast cancer.<sup>4</sup>

**Family History:** A woman's risk increases if she has a history of breast cancer in her family, especially if her mother, sister, or daughter had breast cancer before the age of 40.<sup>2</sup>

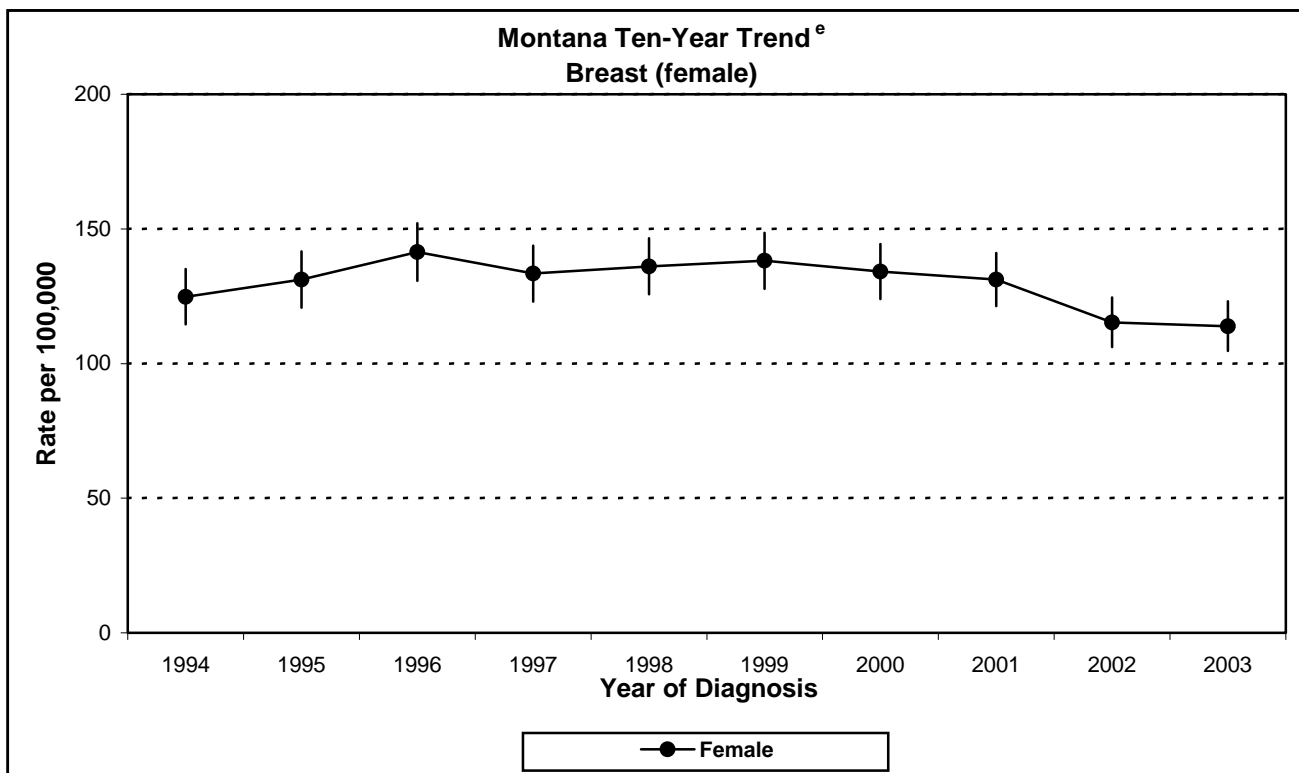
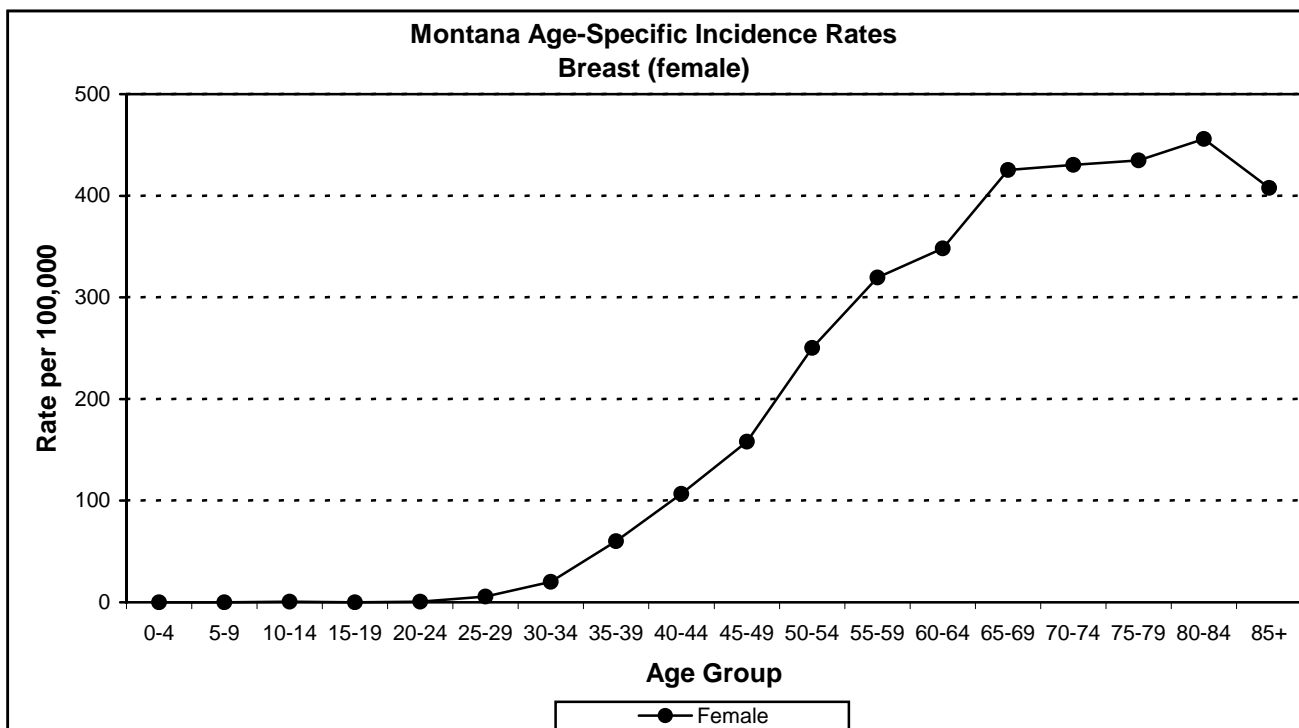
**Physical Activity:** Women who are physically inactive throughout life appear to have an increased risk of breast cancer. Women who are obese after menopause have an increased risk of breast cancer.<sup>2</sup>

**Hormonal:** Women who have never had children are an increased risk to develop breast cancer. The younger a woman is when she had her first child, the lower her risk of breast cancer. Women who began menstruation at an early age or went through menopause later in life are at increased risk of breast cancer.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

<sup>g</sup> Rates include invasive cases only.

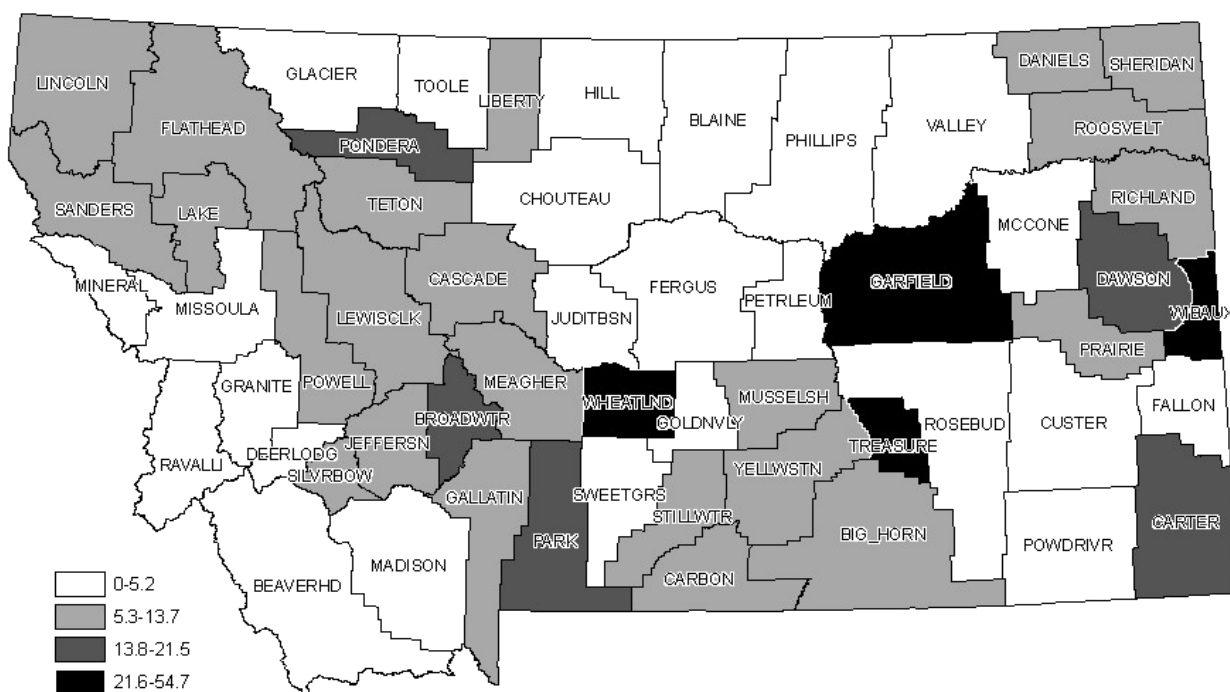
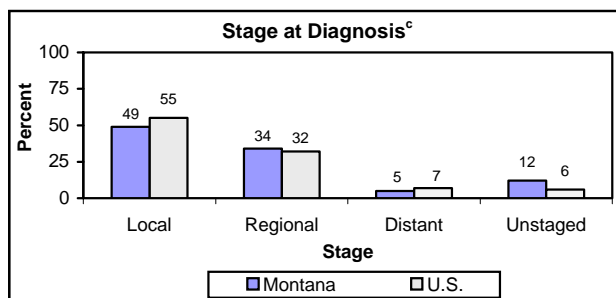


<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.



# Cervix

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	-	8.3	-	-	8.0	-
Mortality Rate <sup>b</sup>	-	2.2	-	-	2.8	-
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	-	193	-			
In-Situ	-	849	-			
Uncertain	-	0	-			
Benign	-	0	-			



**Race:** Hispanics have the highest rates of cervical cancer followed by African Americans, Asians, whites, and American Indians.

**Smoking:** Women with HPV infection who smoke have a higher risk of cervical cancer than women with HPV who do not smoke.<sup>2</sup>

**Pap Tests:** Cervical cancer is more common among women who do not have regular Pap tests.<sup>2</sup>

**Sexual Partners:** Women who have had many sexual partners are at increased risk of HPV and cervical cancer.<sup>2</sup>

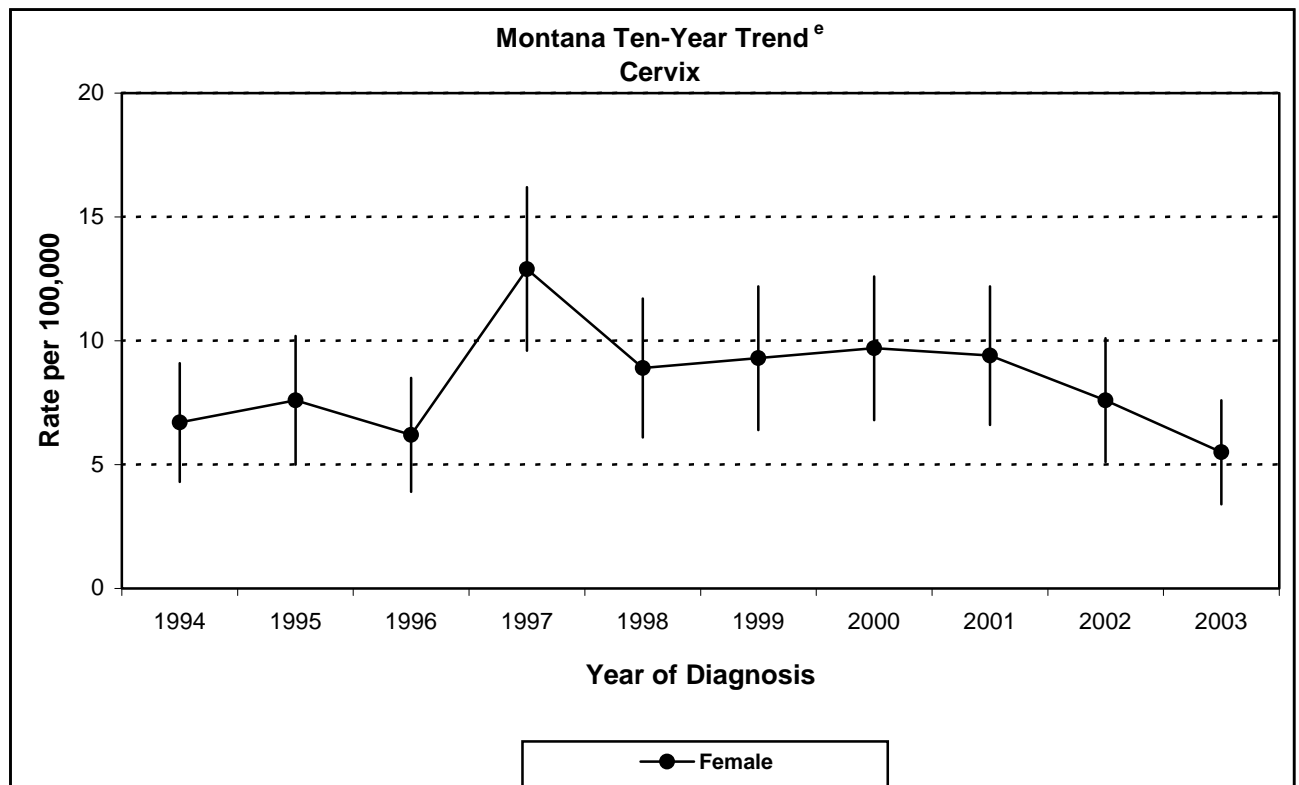
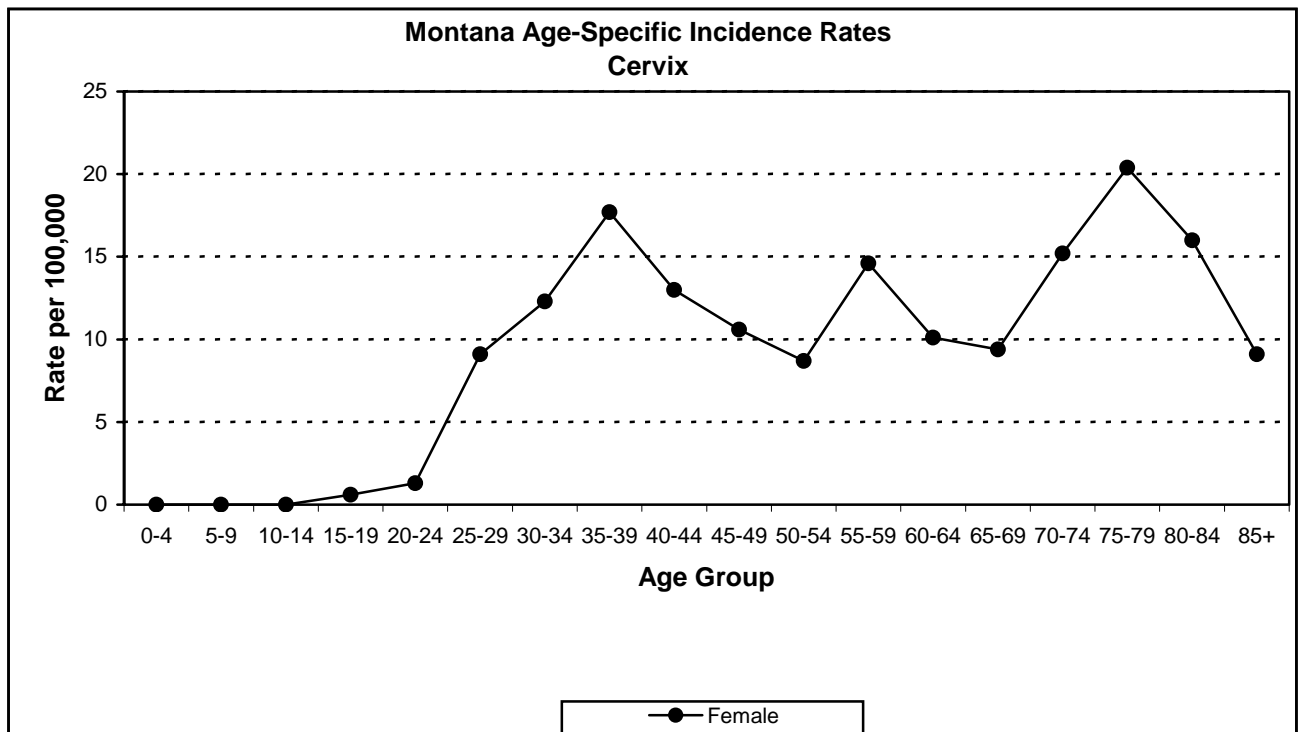
**Birth Control Pills:** Using birth control pills for 5 years or more may increase the risk of cervical cancer among women with HPV infection.<sup>2</sup>

**Childbearing:** Giving birth to many children may increase the risk of cervical cancer among women with HPV infection.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

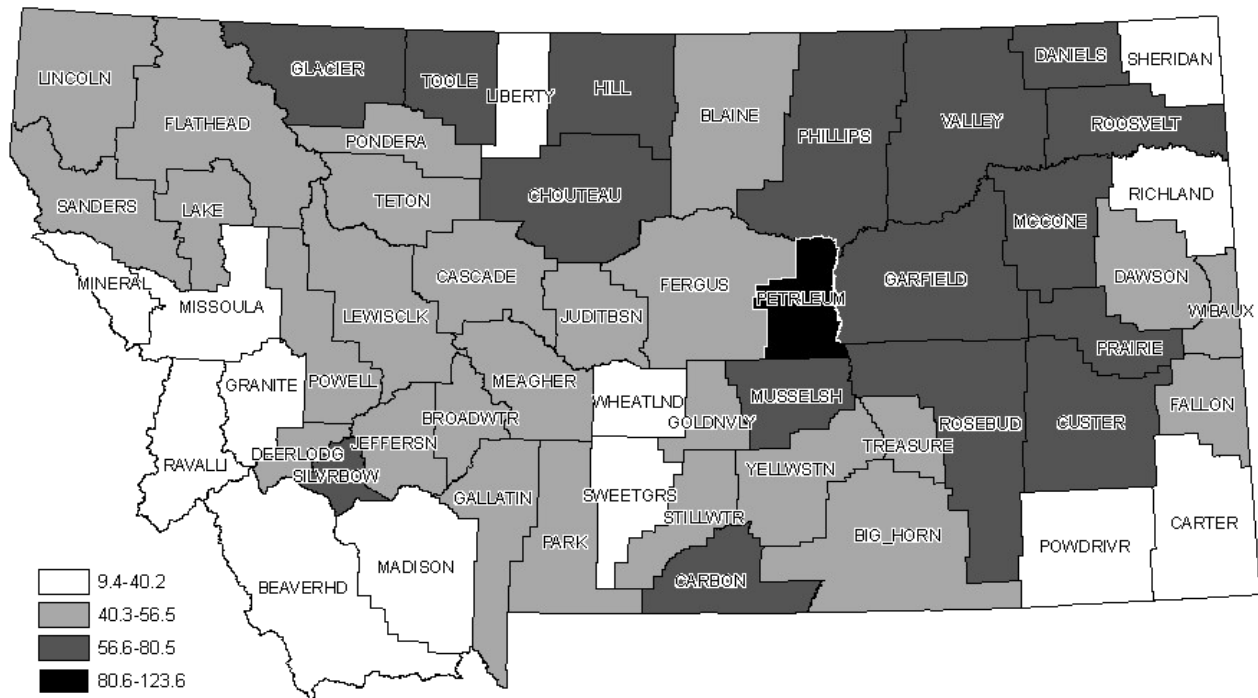
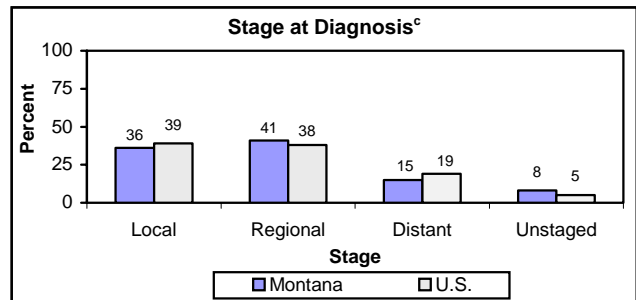
<sup>g</sup> Rates include invasive cases only.



<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Colon & Rectum

Incidence and Mortality Summary <sup>a</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	58.0	42.7	49.6	63.3	46.9	54.0
Mortality Rate <sup>b</sup>	22.6	15.1	18.4	24.8	17.4	20.5
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	1,286	1,157	2,443			
In-Situ	50	40	81			
Uncertain	5	12	18			
Benign	1	0	0			



**Race:** African Americans are diagnosed with colorectal cancer slightly more than other races.<sup>1</sup>

**Diet:** A diet high in fat and low in fruits and vegetables may increase the risk of colorectal cancer.<sup>2</sup>

**Genetics:** Changes in specific genes, such as the hereditary nonpolyposis colon cancer (HNPCC) gene or the adenomatous polyposis controller (APC) gene increase the risk of colorectal cancer.<sup>2</sup>

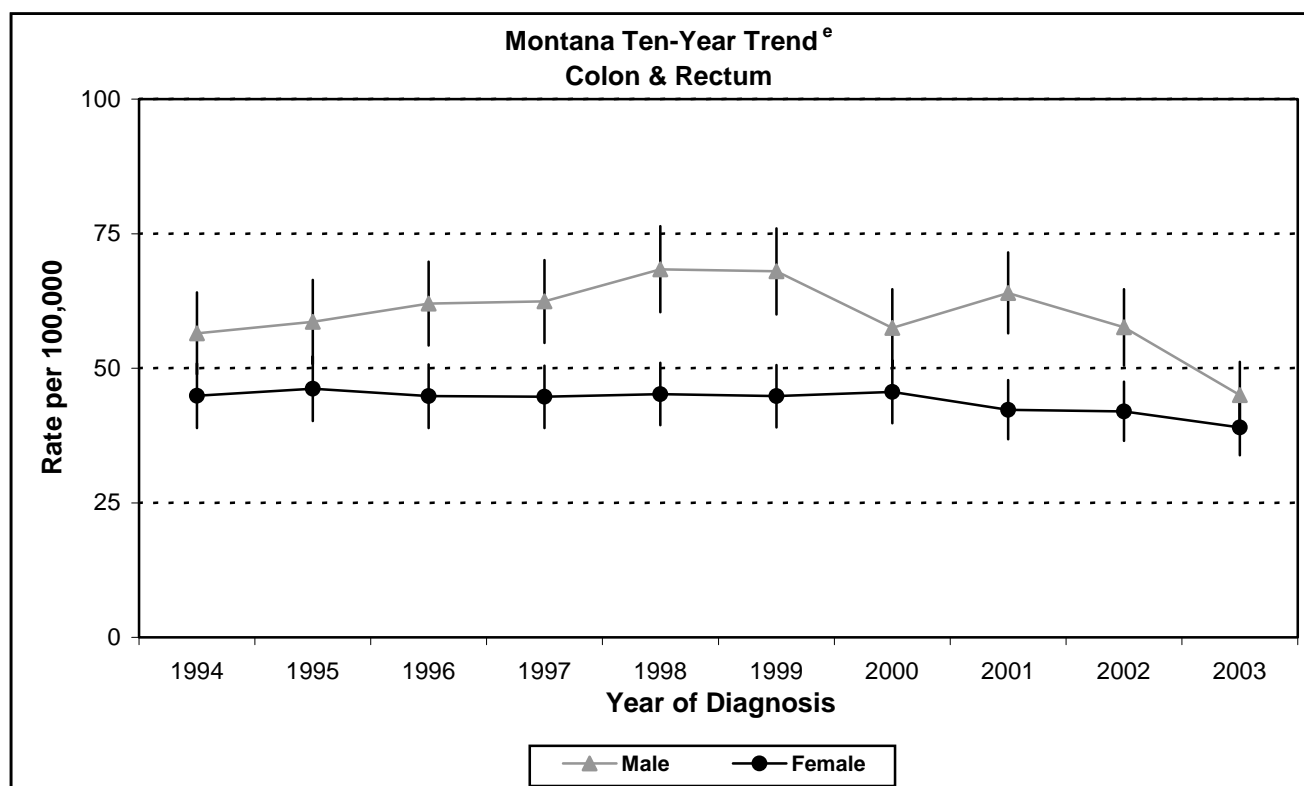
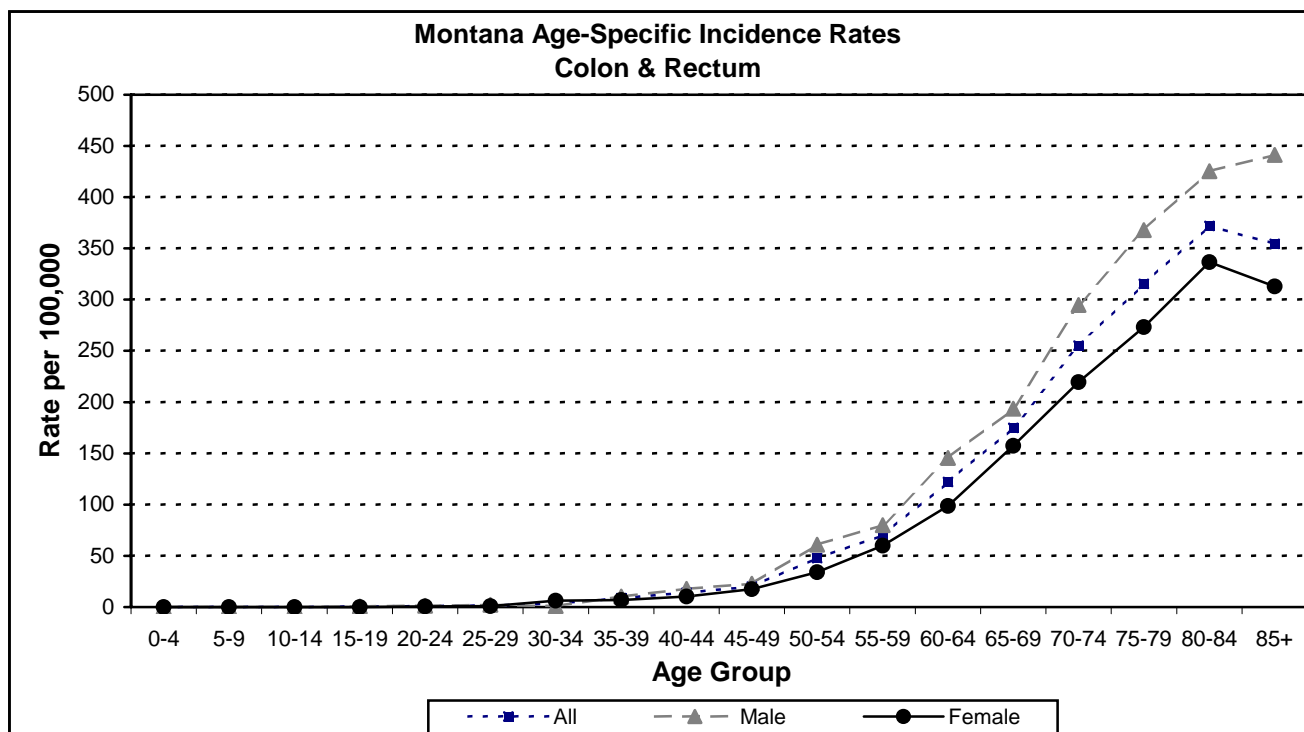
**Smoking:** People who smoke are more likely to develop polyps and colorectal cancer.<sup>2</sup>

**Family History:** People who have a parent or sibling with colorectal cancer are more likely to develop colorectal cancer themselves.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

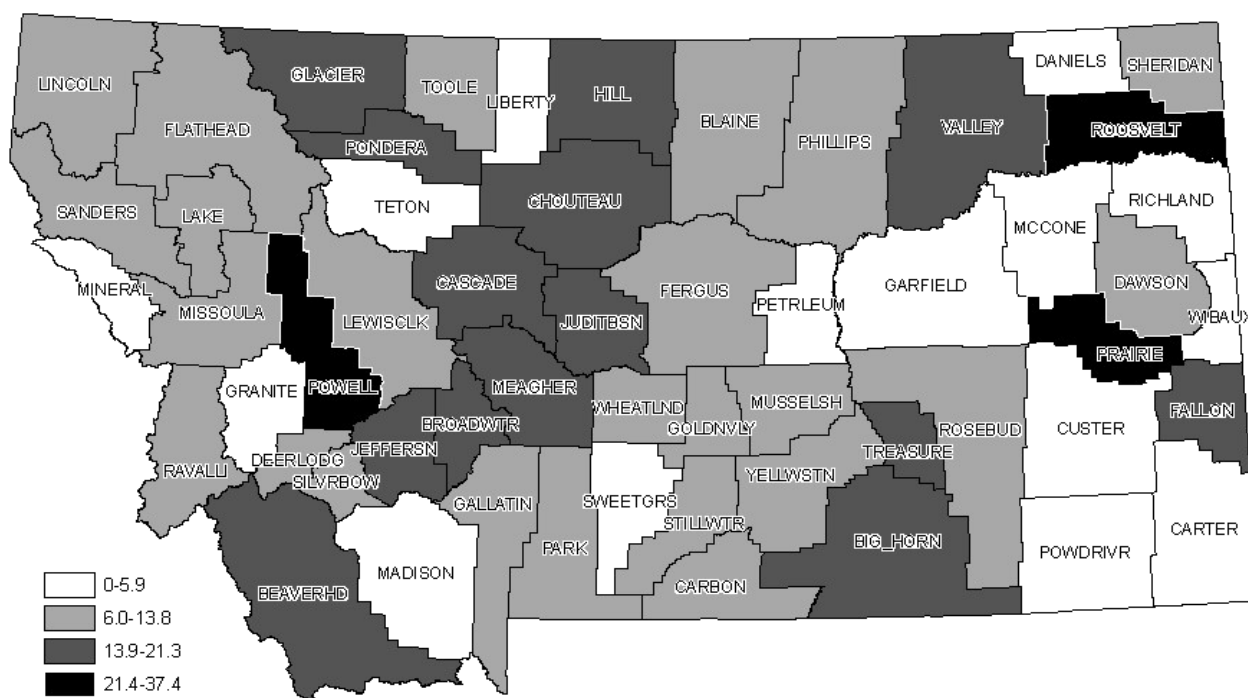
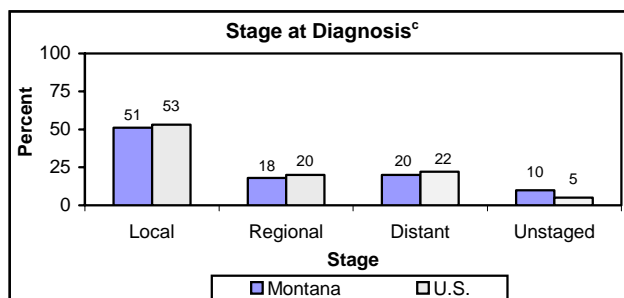
<sup>g</sup> Rates include invasive cases only.



<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Kidney & Renal Pelvis

Incidence and Mortality Summary <sup>d</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	15.7	8.0	11.7	16.8	8.3	12.1
Mortality Rate <sup>b</sup>	6.6	2.7	4.5	6.1	2.8	4.2
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	359	212	571			
In-Situ	7	7	14			
Uncertain	0	0	0			
Benign	0	0	0			



nephroblastoma, is found primarily among children.<sup>~</sup>

**Gender:** Men are twice as likely as women to be diagnosed with kidney cancer.<sup>1,2</sup>

**Race:** African Americans are diagnosed with kidney cancer slightly more often than other races.<sup>1</sup>

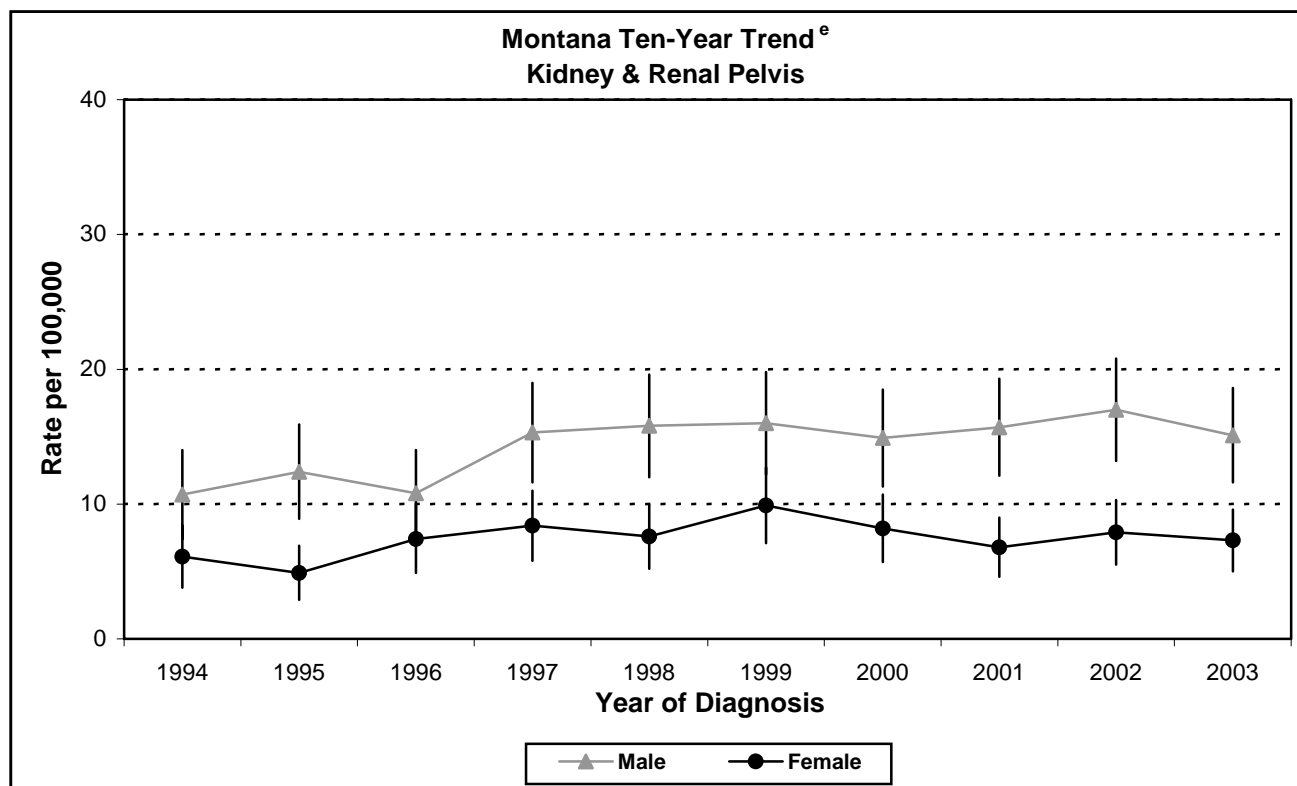
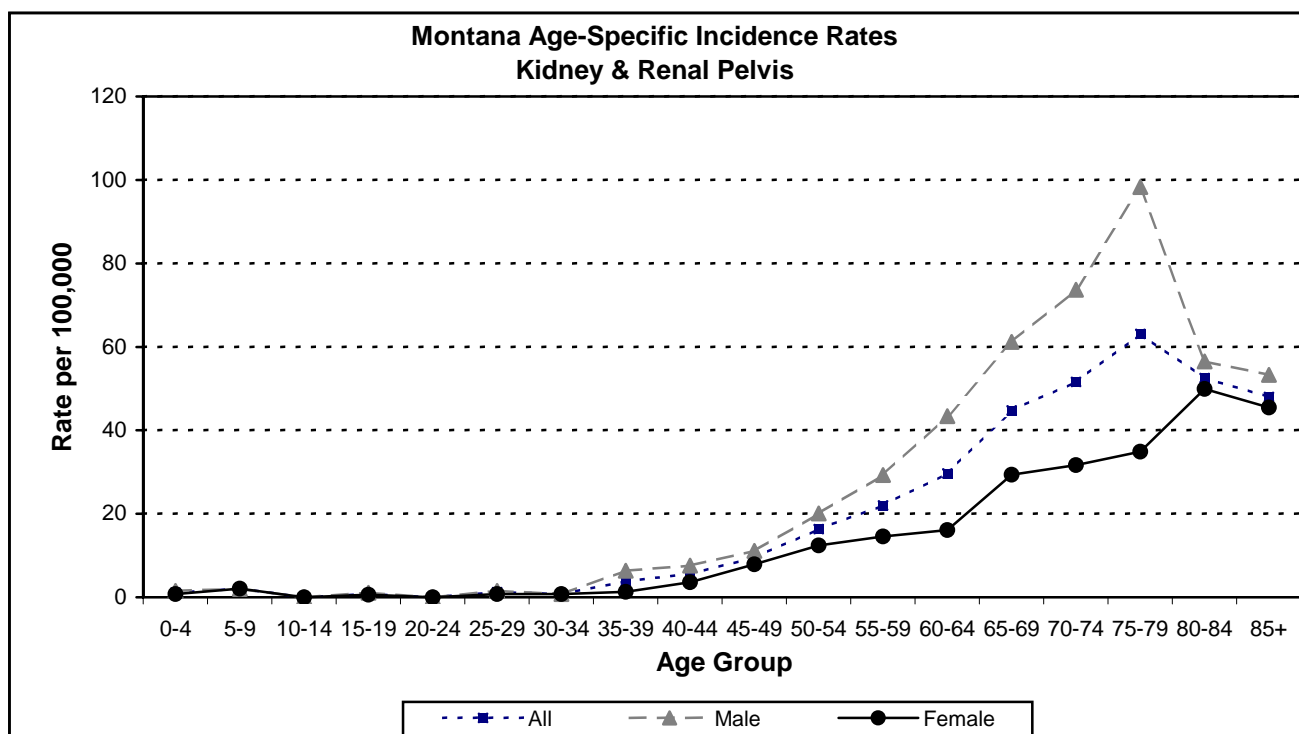
**Lifestyle:** People who are obese or who have high blood pressure have a greater risk of developing kidney cancer.<sup>2</sup>

**Occupation:** Iron and steel workers have a higher risk of developing kidney cancer, as are workers exposed to asbestos or cadmium.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

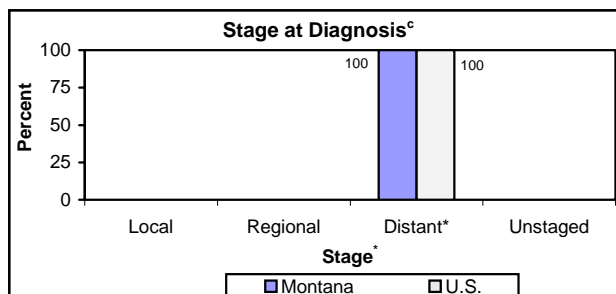
<sup>g</sup> Rates include invasive cases only.



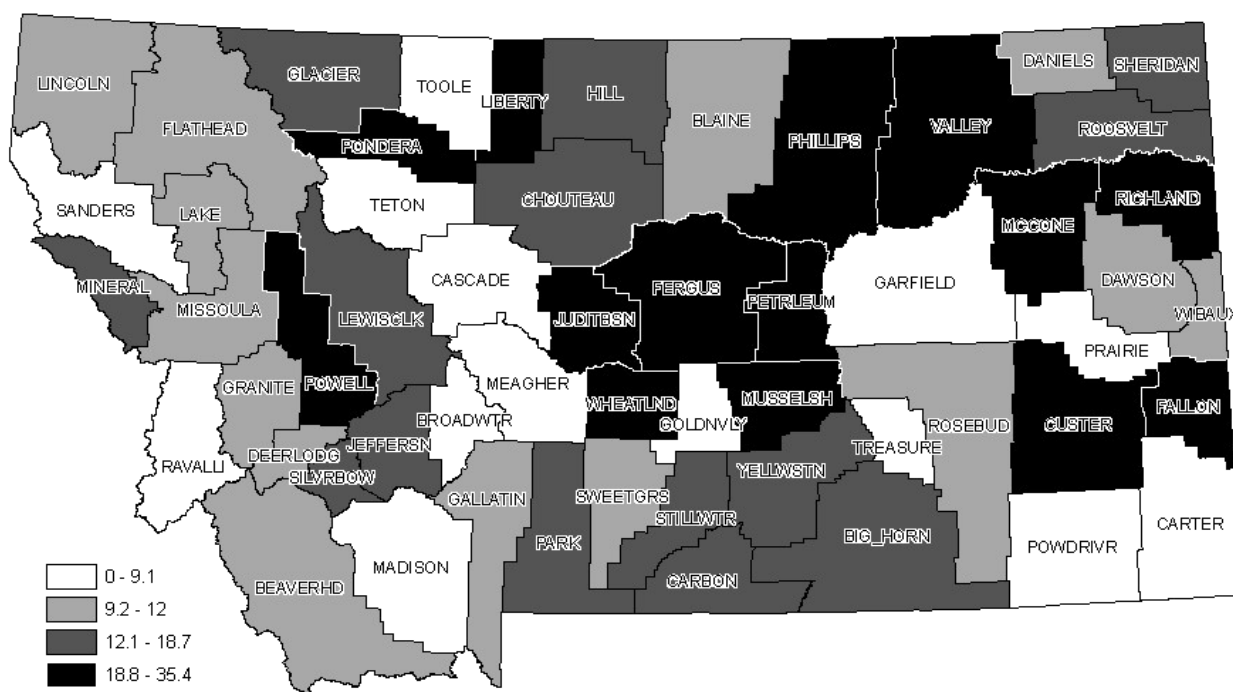
<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Leukemia

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
<b>Incidence Rate<sup>b</sup></b>	17.0	9.4	12.8	16.3	9.6	12.4
<b>Mortality Rate<sup>b</sup></b>	11.3	5.8	8.1	10.2	5.8	7.6
<b>Number of Cases:</b>	<b>Montana Only</b>					
	Male	Female	Total			
	Invasive	371	245	616		
	In-Situ	0	0	0		
	Uncertain	0	0	0		
	Benign	0	0	0		



\* Leukemia is a systemic disease and is always distant at diagnosis.



**Sex:** Men are diagnosed with leukemia more often than women.<sup>1</sup>

**Race:** Whites are diagnosed with leukemia more often than other races.<sup>1</sup>

**Genetics:** People with abnormal chromosomes, such as Down syndrome, may have an increased risk of leukemia.<sup>2</sup>

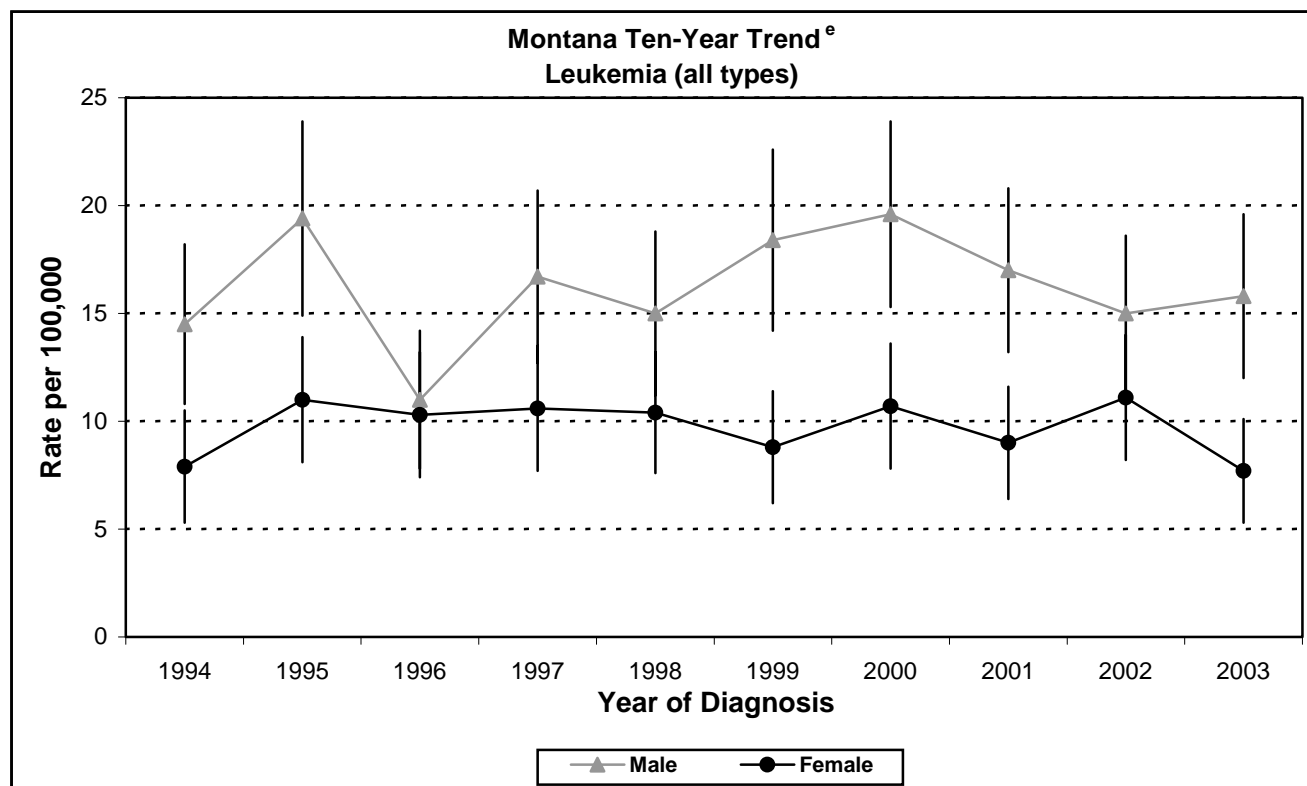
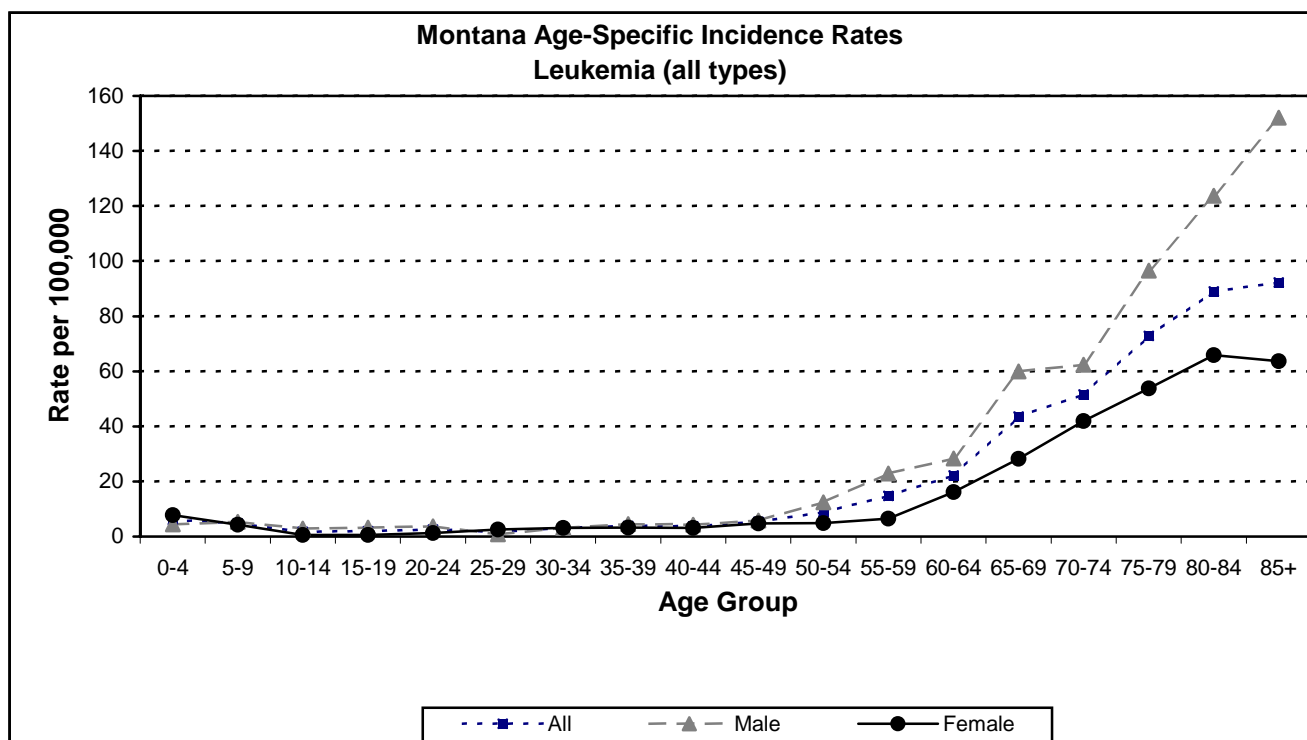
**Environment:** Exposure to high levels of radiation increases the risk of developing leukemia.<sup>2</sup> Exposure to high levels of benzene and formaldehyde may increase the risk of leukemia.<sup>2</sup>

**Smoking:** Smoking may increase the risk of developing leukemia.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

<sup>g</sup> Rates include invasive cases only.

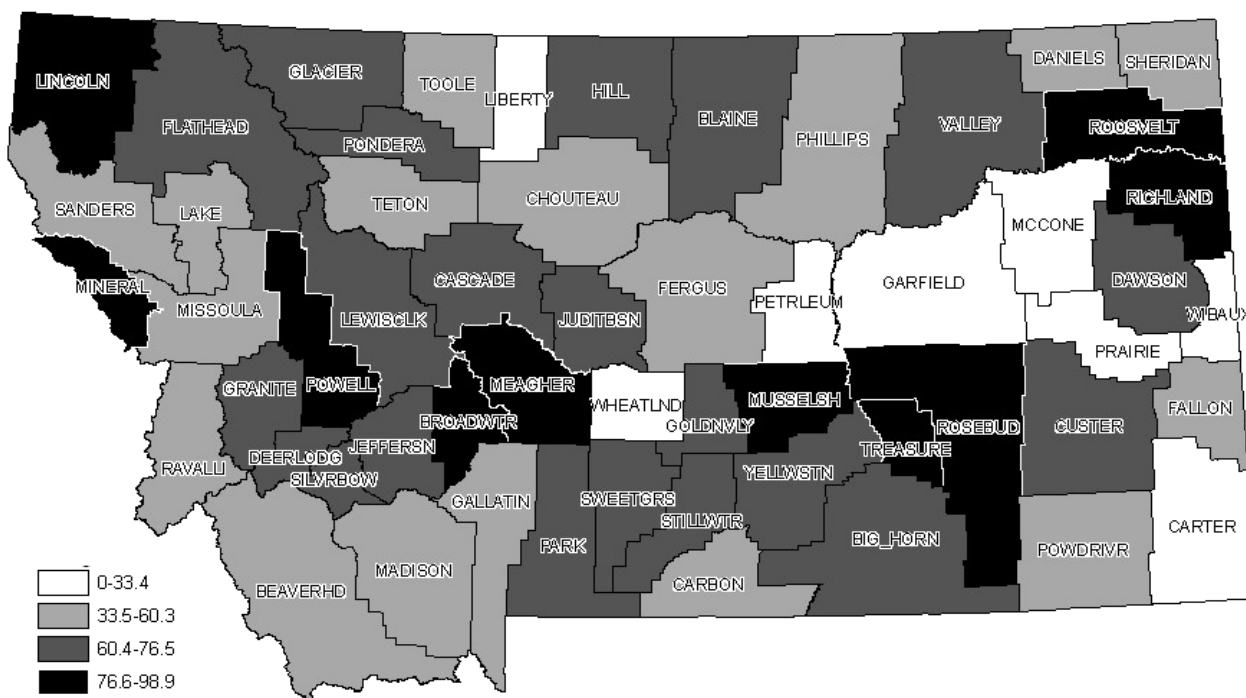
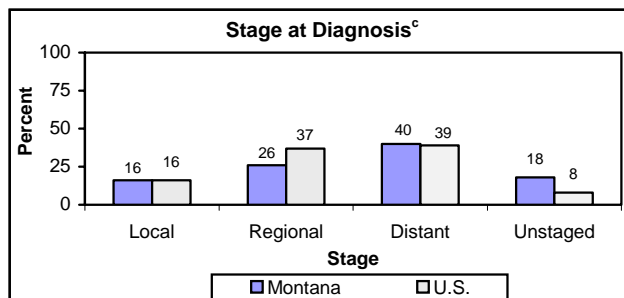


<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.



# Lung

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	79.3	54.6	65.3	82.1	51.4	64.2
Mortality Rate <sup>b</sup>	67.6	43.1	53.6	76.3	40.9	55.7
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	1,762	1,444	3,206			
In-Situ	5	1	6			
Uncertain	0	0	0			
Benign	1	0	1			



**Smoking:** Smoking is the number one cause of lung cancer, accounting for over 80% of cases. Exposure to second-hand smoke also increases the risk of developing lung cancer.<sup>1</sup>

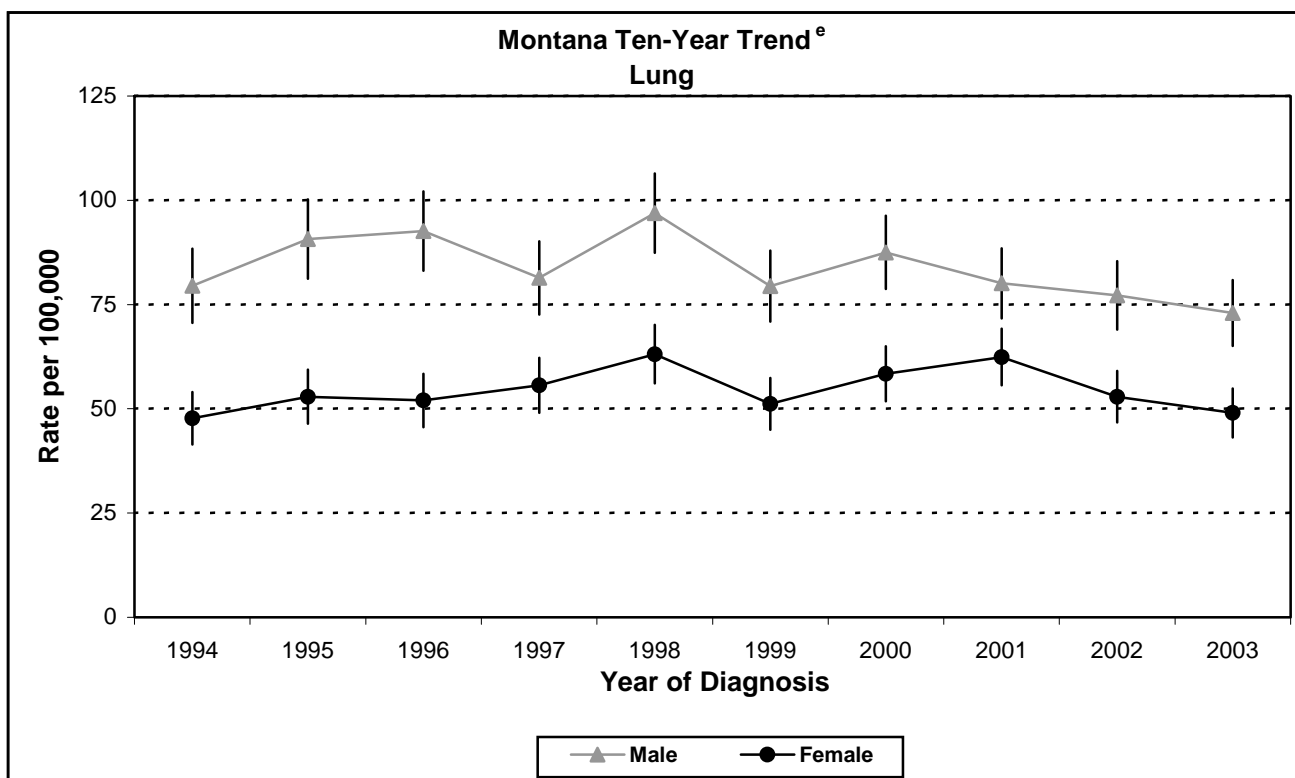
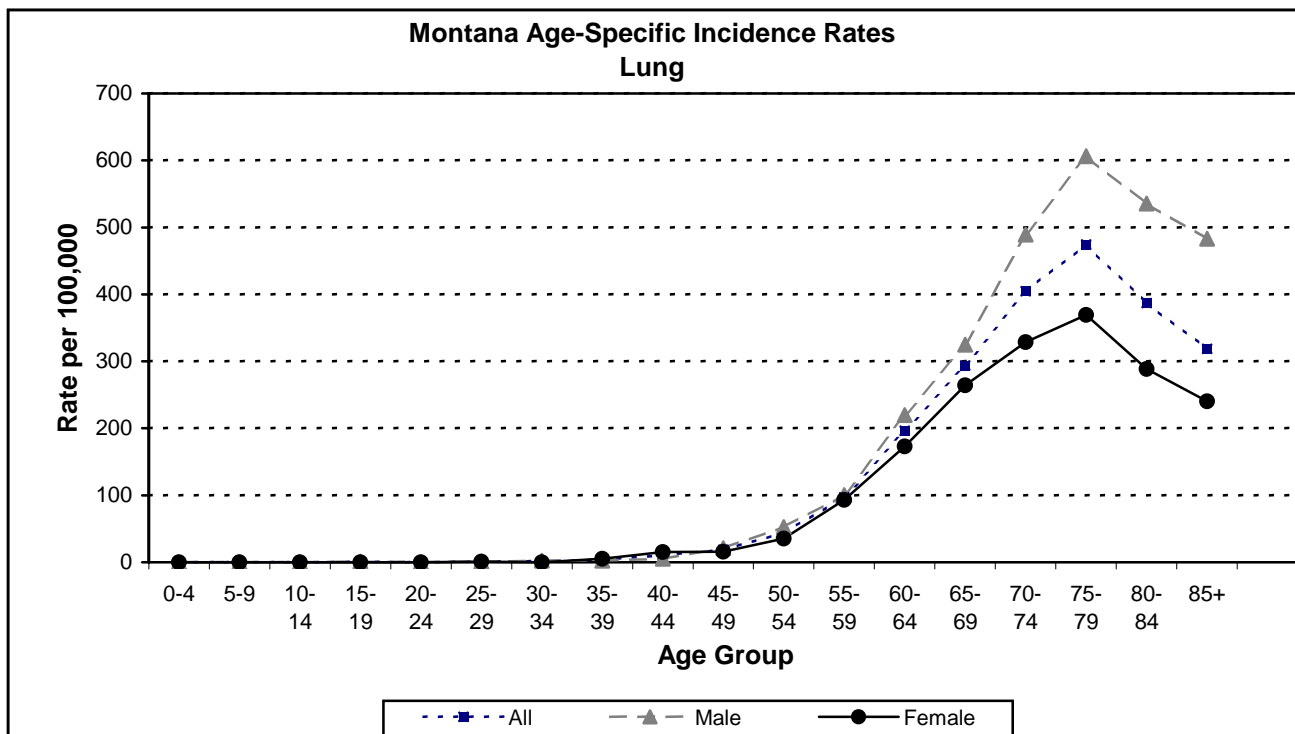
**Occupation:** People exposed to asbestos are at increased risk of developing lung cancer. Those who smoke and are exposed to asbestos are at even greater risk.<sup>2</sup>

**Environment:** Exposure to radon increases the risk of developing lung cancer. People who smoke and are exposed to radon are at even greater risk.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

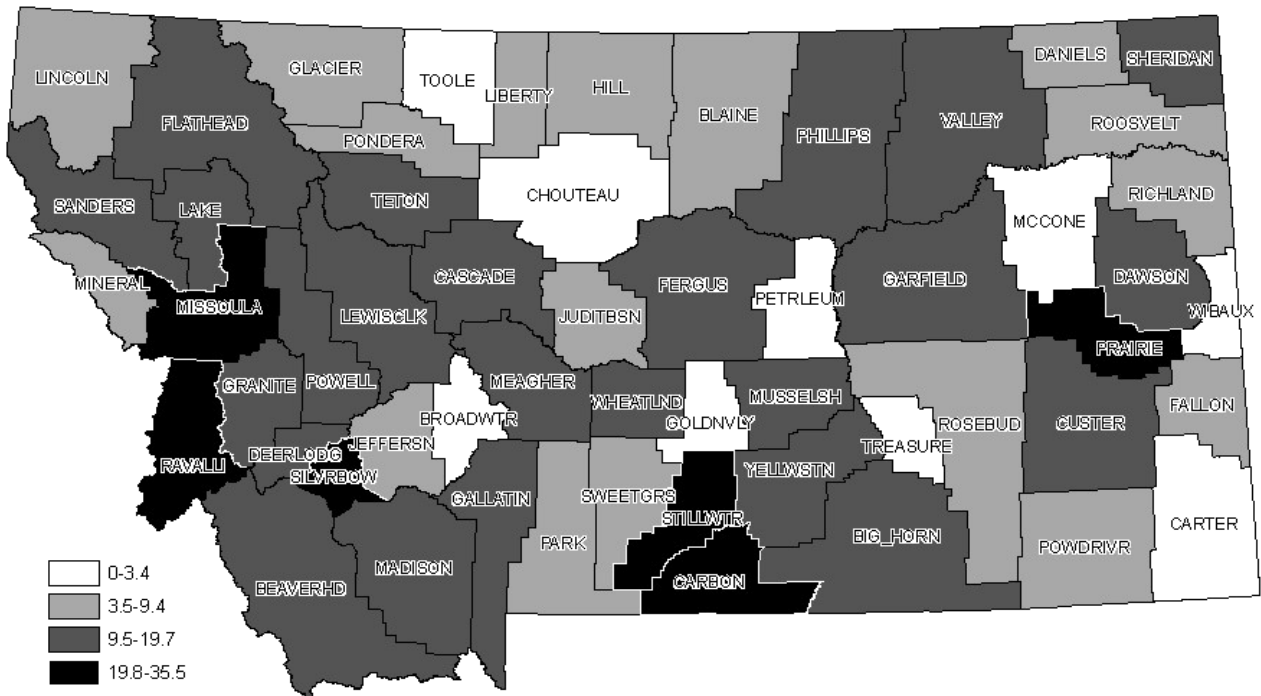
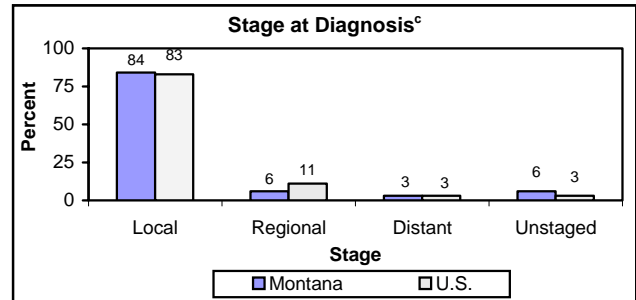
<sup>g</sup> Rates include invasive cases only.



<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Melanoma of the Skin

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	18.2	13.6	15.7	22.9	15.2	18.4
Mortality Rate <sup>b</sup>	4.4	2.1	3.1	3.9	1.8	2.7
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	415	329	744			
In-Situ	187	134	321			
Uncertain	0	0	0			
Benign	0	0	0			



**Genetics:** People with fair skin who burn or freckle easily are at increased risk of developing melanoma. People with many (more than 50) moles or with abnormal moles, called dysplastic nevi, have an increased risk of developing melanoma.<sup>2</sup>

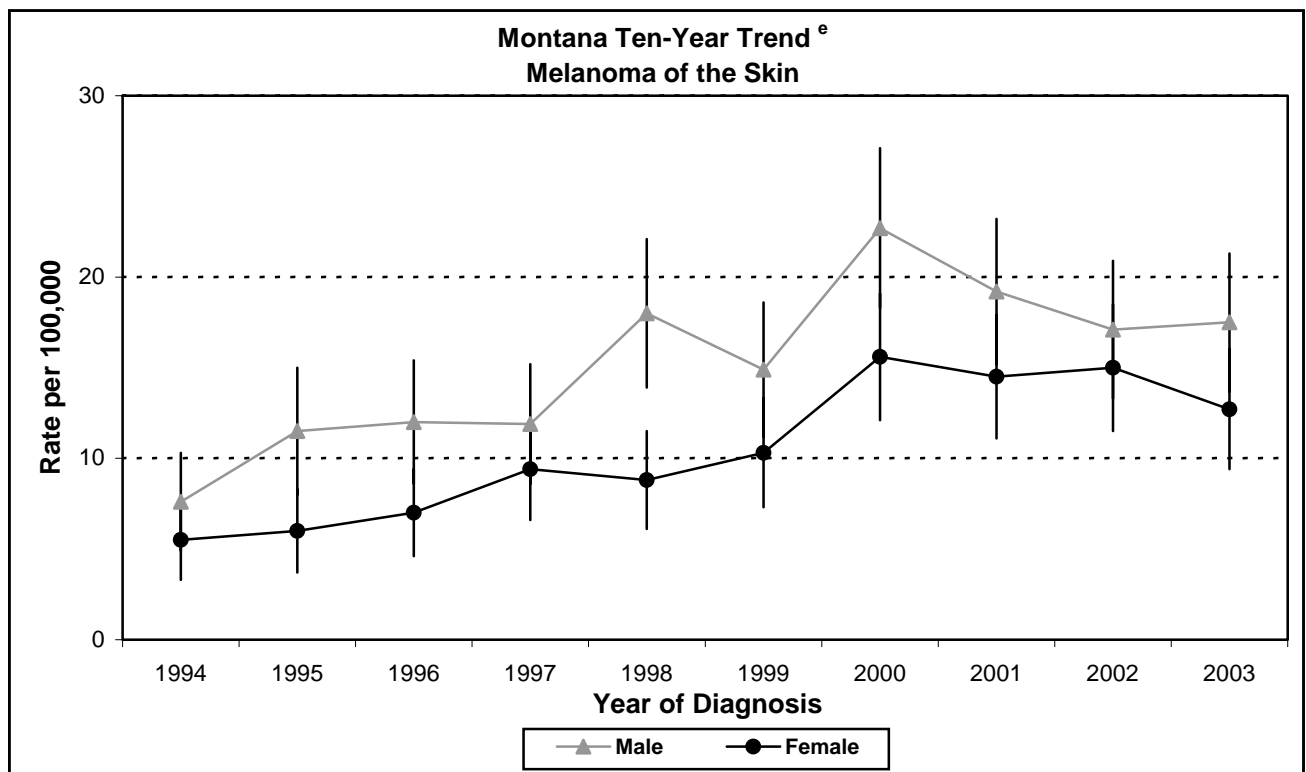
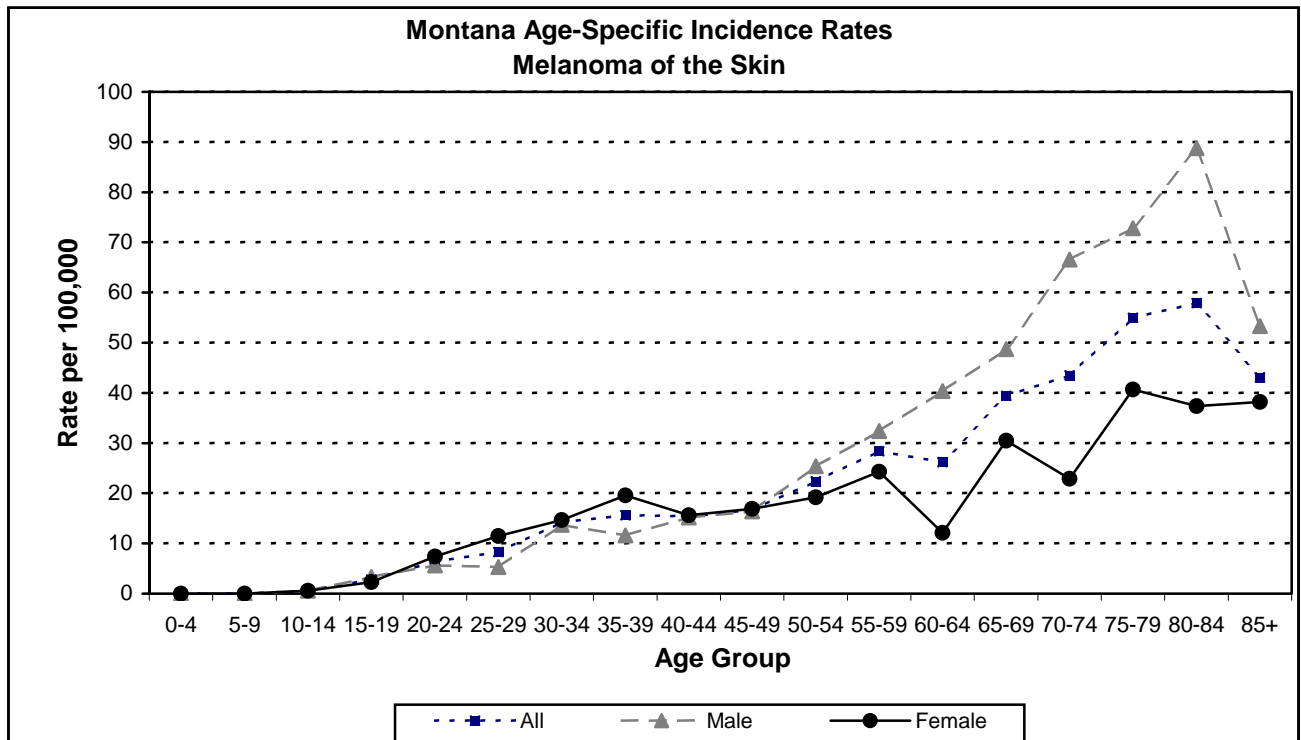
**Sunburn:** People who have had at least one severe, blistering sunburn early in life are at increased risk of developing melanoma.<sup>2</sup>

**Family History:** If two or more of your parents or siblings have had melanoma, then you have an increased risk of developing melanoma yourself.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

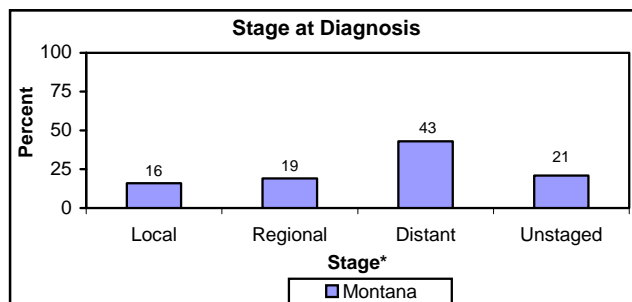
<sup>g</sup> Rates include invasive cases only.



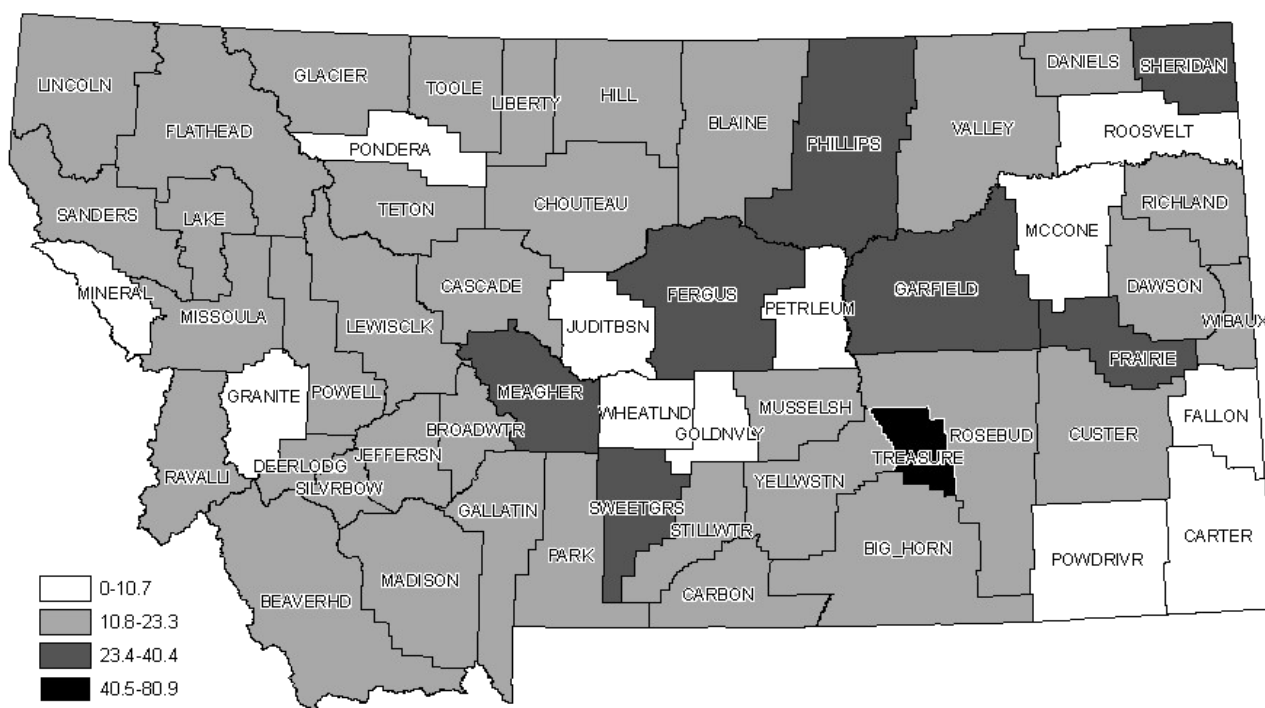
<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Non-Hodgkin Lymphoma

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	21.9	14.5	17.8	23.6	16.1	19.4
Mortality Rate <sup>b</sup>	9.5	6.3	7.6	10.2	6.6	8.1
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	486	387	873			
In-Situ	0	0	0			
Uncertain	0	0	0			
Benign	0	0	0			



\* U.S. data for stage at diagnosis are unavailable.



**Sex:** Non-Hodgkin lymphoma is more common among men than women.<sup>1,2</sup>

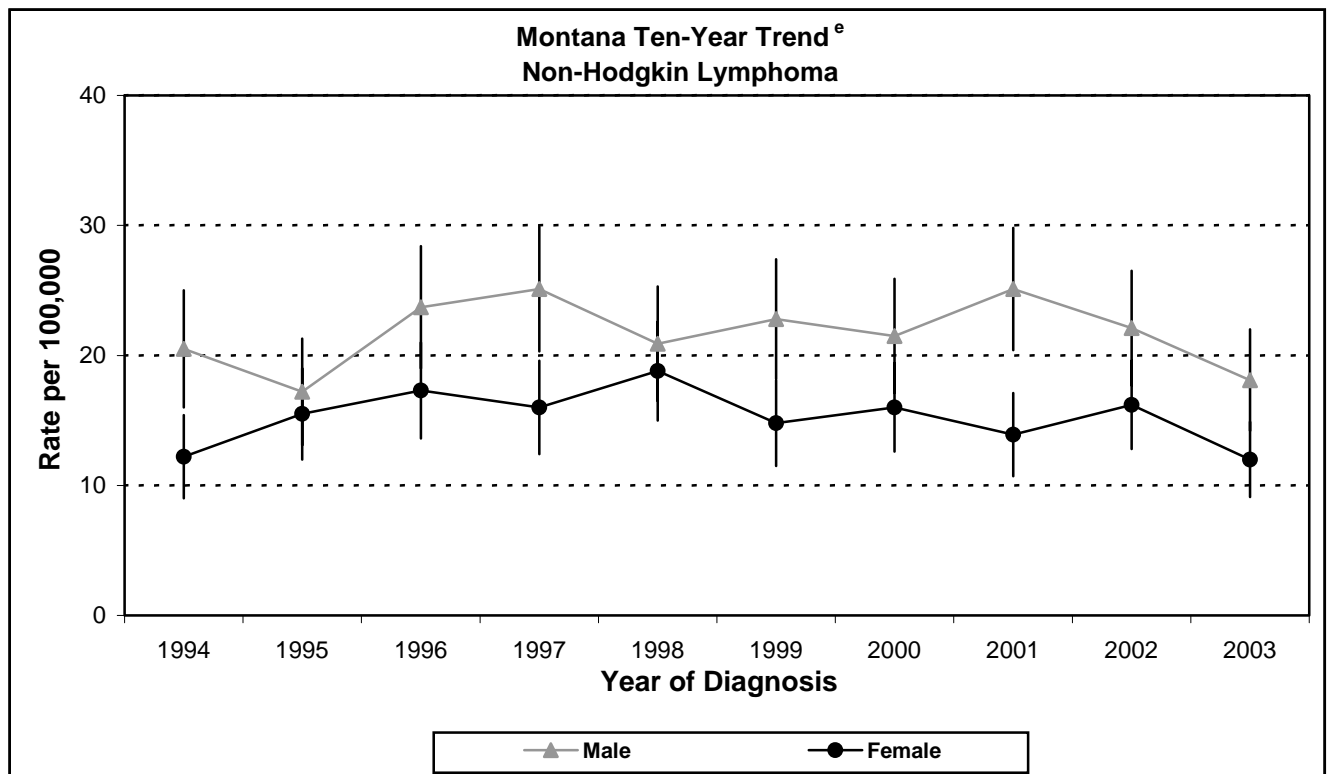
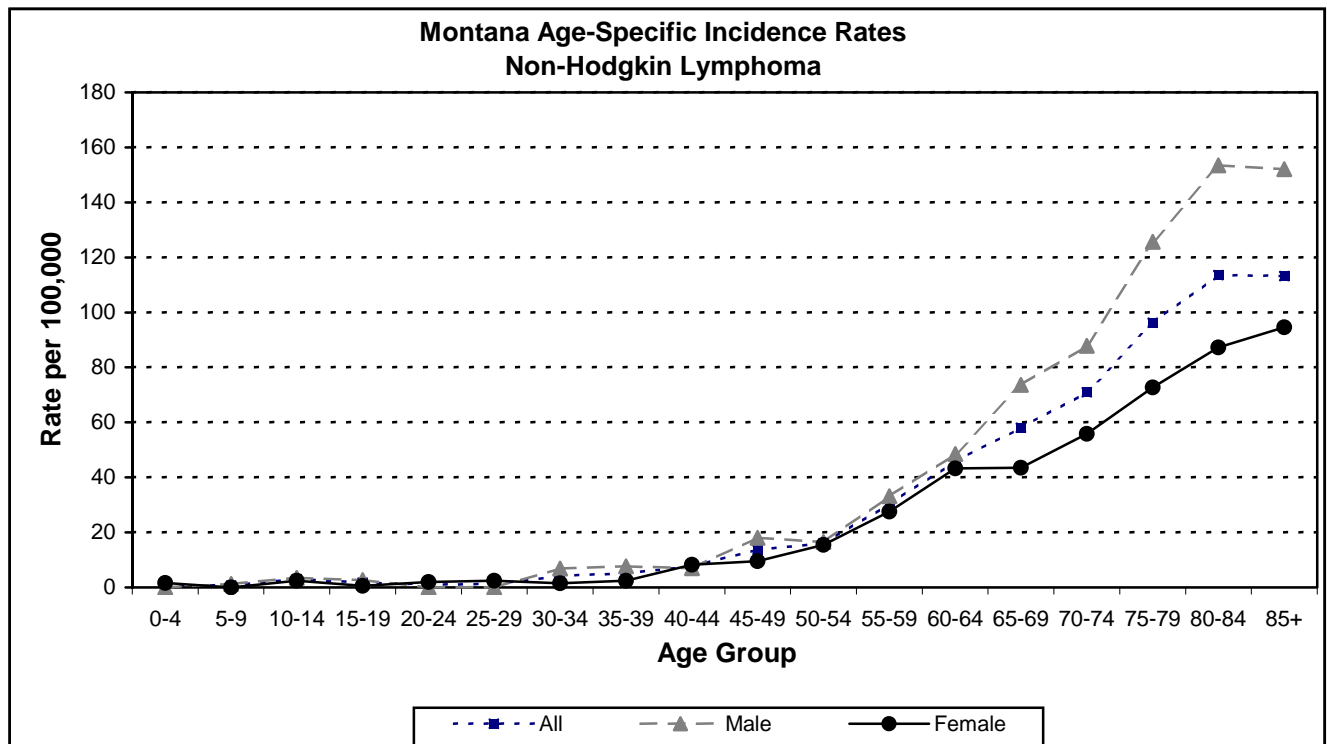
**Weakened Immune System:** Non-Hodgkin lymphoma is more common among people with weakened immune systems such as those with HIV/AIDS, or other immune deficiencies, or people on immunosuppressant drugs.<sup>2</sup>

**Viruses:** Having the Epstein-Barr virus or human T-lymphotropic virus type I (HTLV-1) increases the risk of developing non-Hodgkin lymphoma.<sup>2</sup>

**Environment:** People who are exposed to pesticides, solvents, or fertilizers have an increased risk of developing non-Hodgkin lymphoma.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

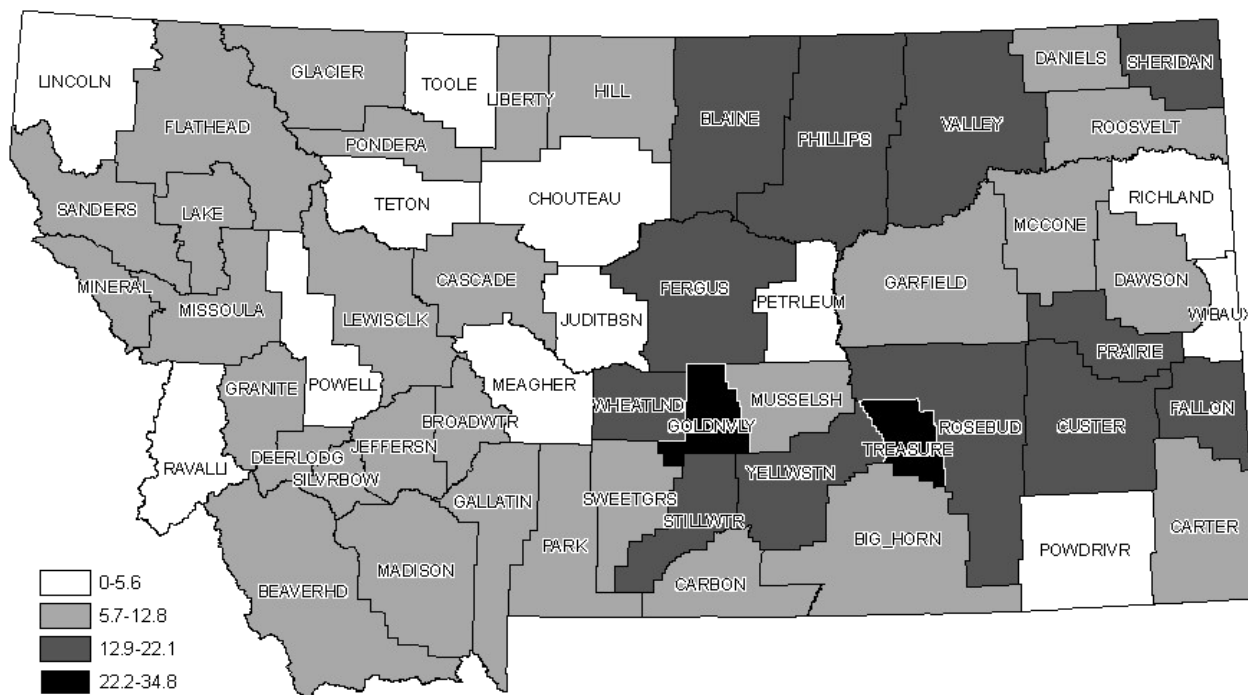
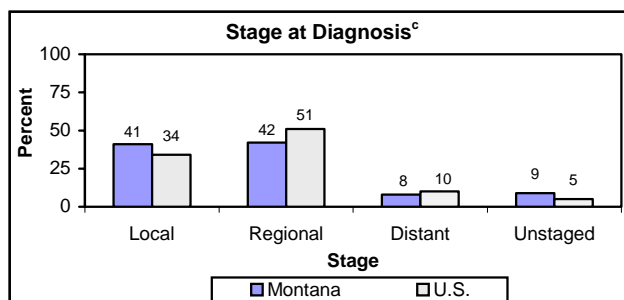
<sup>g</sup> Rates include invasive cases only.



<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Oral Cavity & Pharynx

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	15.2	5.5	10.0	15.8	6.5	10.8
Mortality Rate <sup>b</sup>	3.1	1.7	2.3	4.2	1.6	2.8
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	352	145	497			
In-Situ	8	5	13			
Uncertain	0	0	0			
Benign	2	3	5			



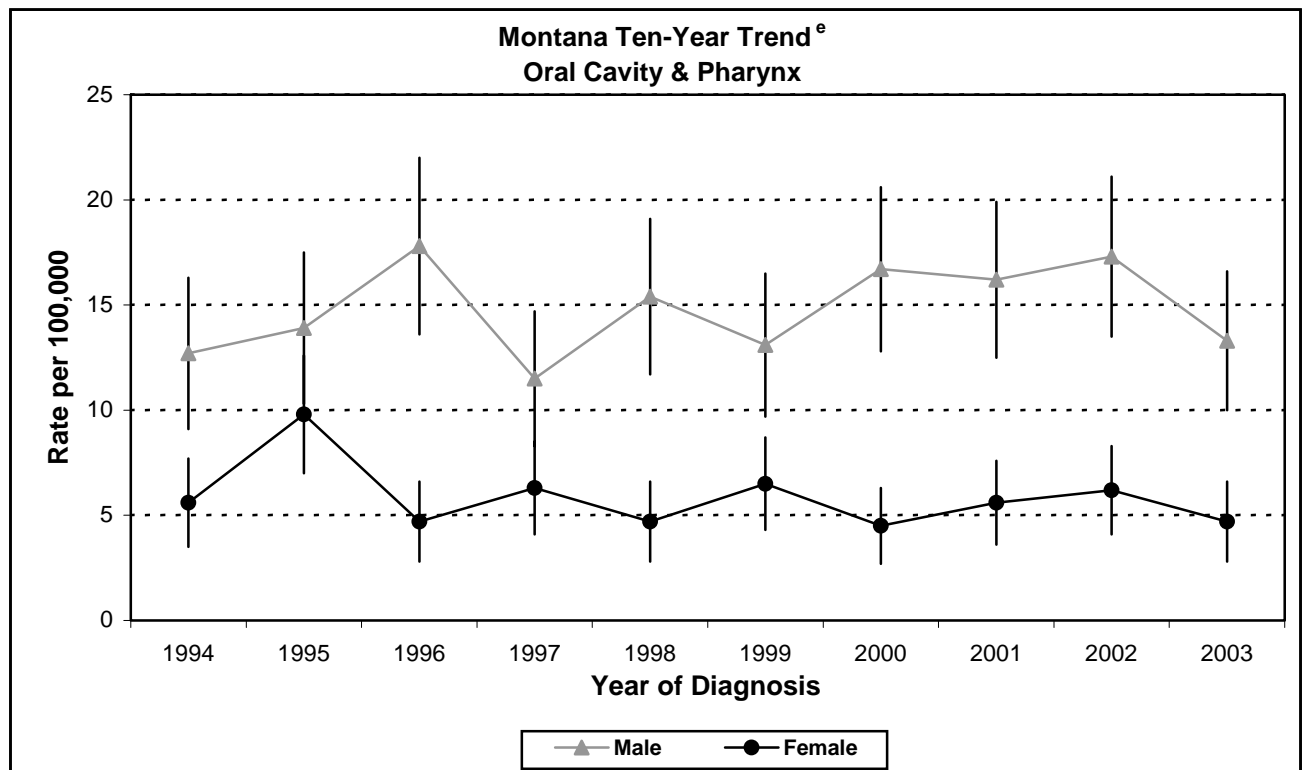
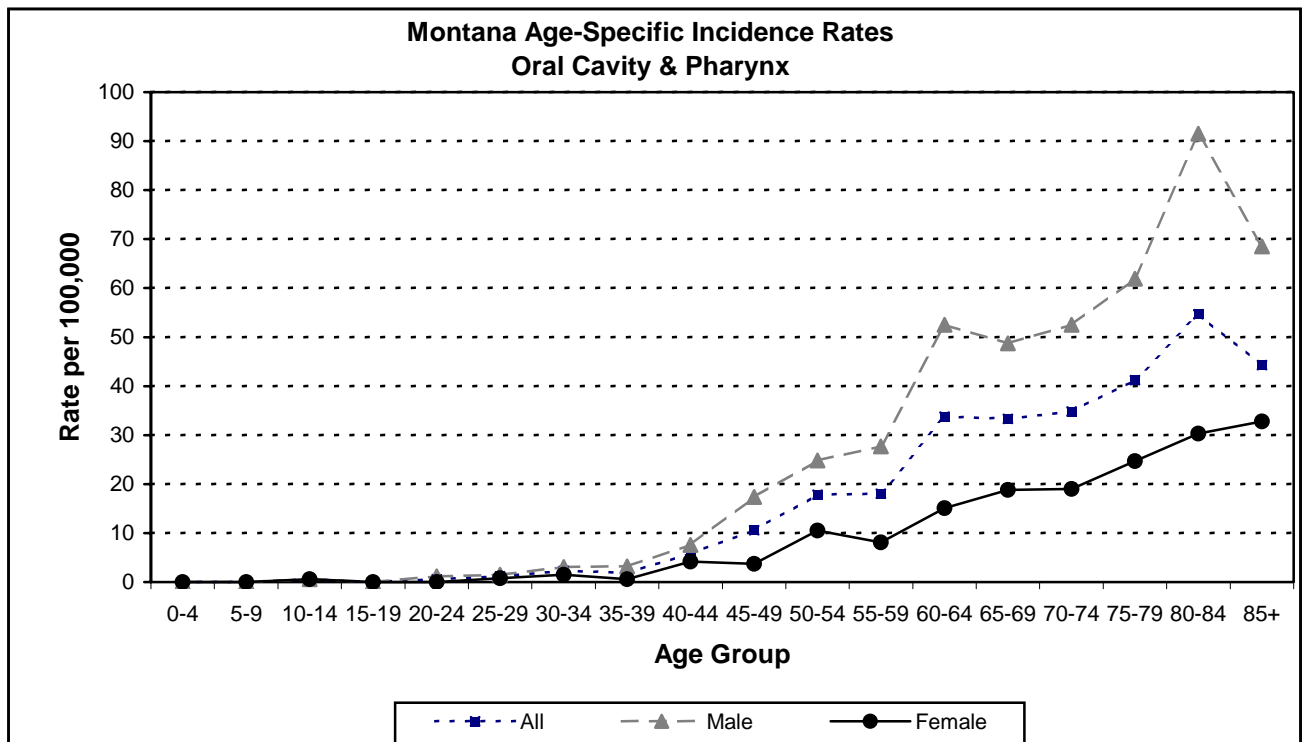
**Tobacco:** Most oral cancers are a result of tobacco use. Both smoking and using smokeless tobacco increase the risk of developing oral cancer. People who use tobacco and drink alcohol heavily have the highest risk of developing oral cancer.<sup>2</sup>

**Alcohol:** People who drink alcohol are more likely to develop oral cancer than people who don't drink. The risk increases with the amount of alcohol consumed and if the person also uses tobacco.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

<sup>g</sup> Rates include invasive cases only.

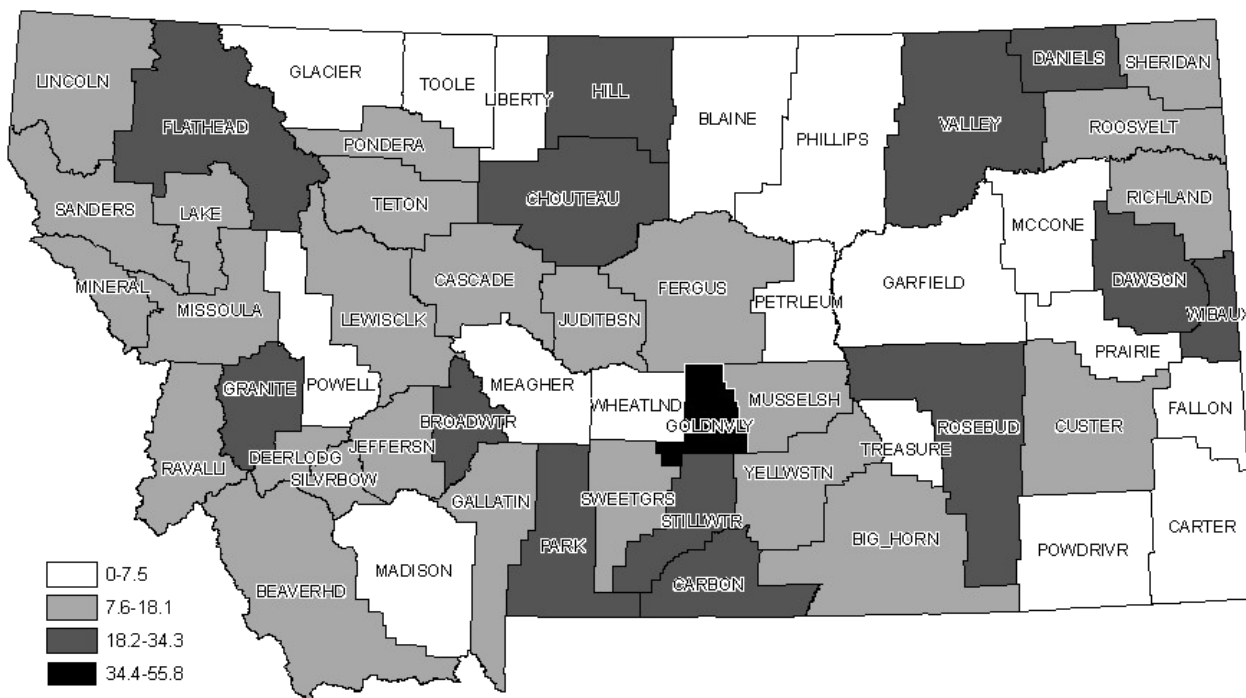
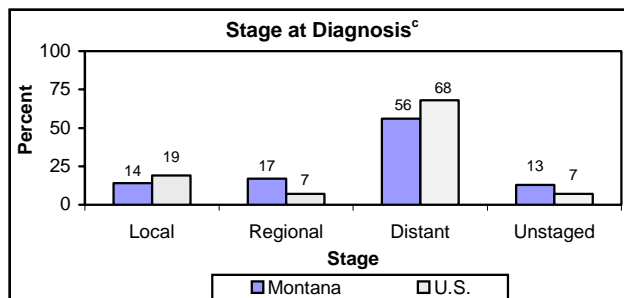


<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.



# Ovary

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	-	15.1	-	-	14.1	-
Mortality Rate <sup>b</sup>	-	9.5	-	-	8.9	-
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	-	395	-			
In-Situ	-	1	-			
Uncertain	-	11	-			
Benign	-	3	-			



**Family history:** Women with a family history of ovarian cancer are more likely to develop ovarian cancer themselves, especially if two or more of their sisters, mother, or daughters have had ovarian cancer. Women with a family history of breast or colon cancer also have an increased risk of developing ovarian cancer.<sup>2</sup>

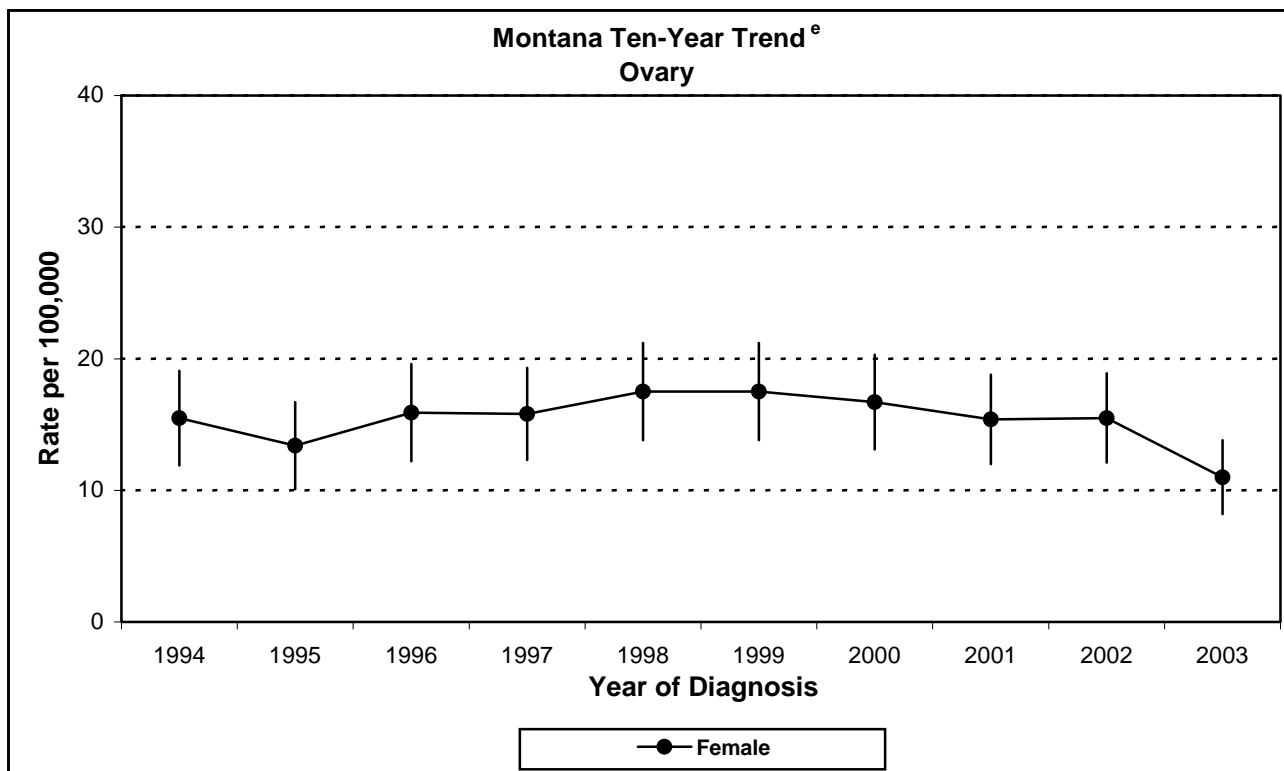
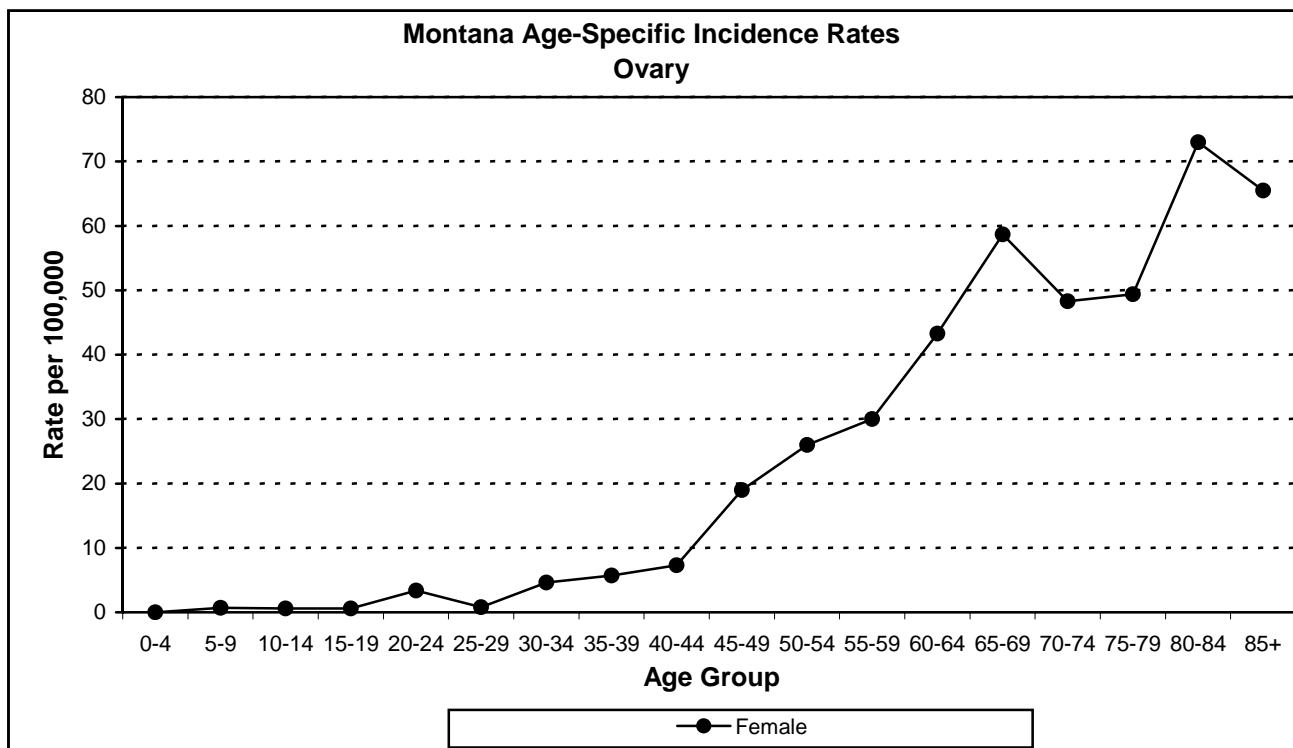
**Childbearing:** The more children a woman has, the less likely she is to develop ovarian cancer.<sup>2</sup>

**Hormones:** Women who take fertility drugs that cause them to ovulate may increase their risk of developing ovarian cancer.<sup>2</sup> Women who take hormone replacement therapy (HRT) after menopause may have an increased risk of developing ovarian cancer.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

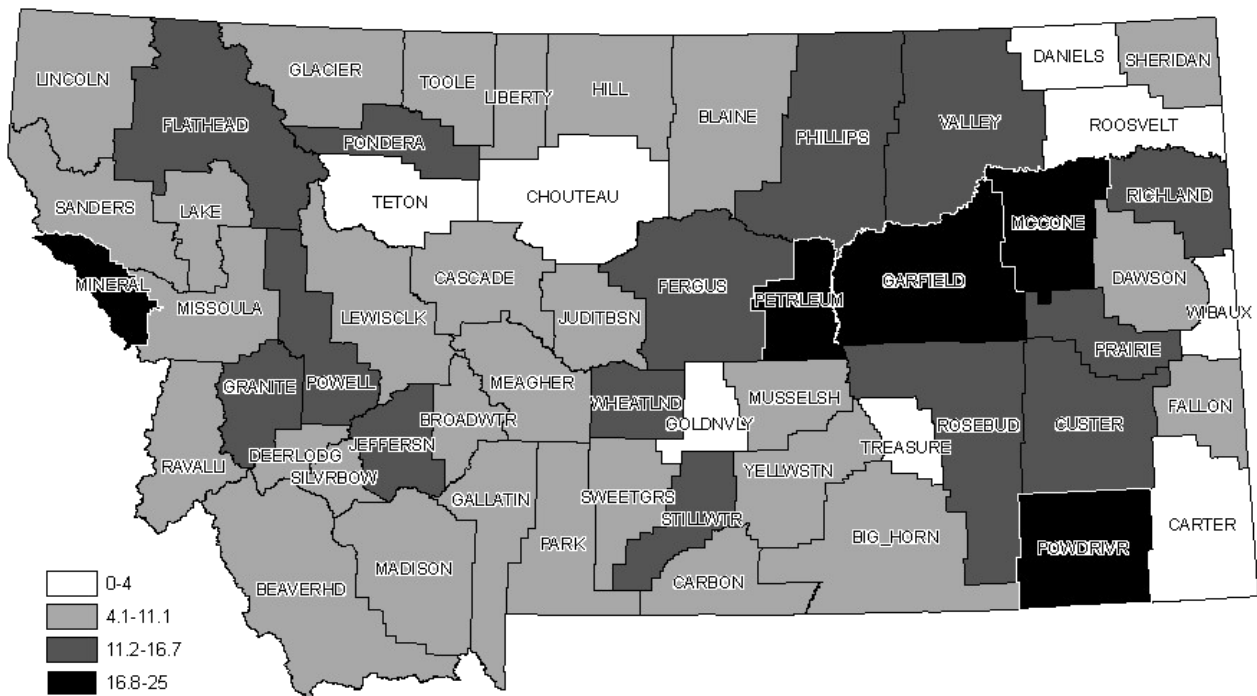
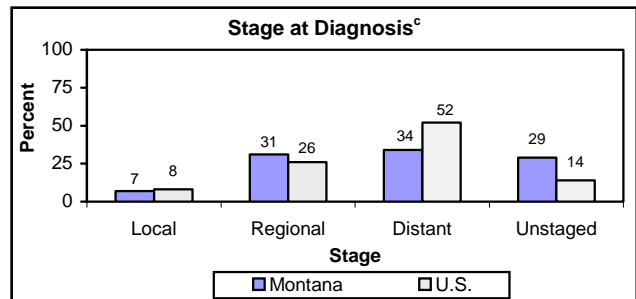
<sup>g</sup> Rates include invasive cases only.



<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Pancreas

Incidence and Mortality Summary <sup>a</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	11.4	8.5	9.8	12.8	9.9	11.2
Mortality Rate <sup>b</sup>	10.9	8.2	9.4	12.2	9.2	10.5
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	251	235	486			
In-Situ	2	0	2			
Uncertain	0	0	0			
Benign	0	0	0			



**Gender:** More men are diagnosed with pancreatic cancer than women.<sup>1,4</sup>

**Race:** African Americans are more likely to be diagnosed with pancreatic cancer than people of other races.<sup>1,2</sup>

**Diet:** A diet high in fat may increase the risk of developing pancreatic cancer.<sup>2</sup>

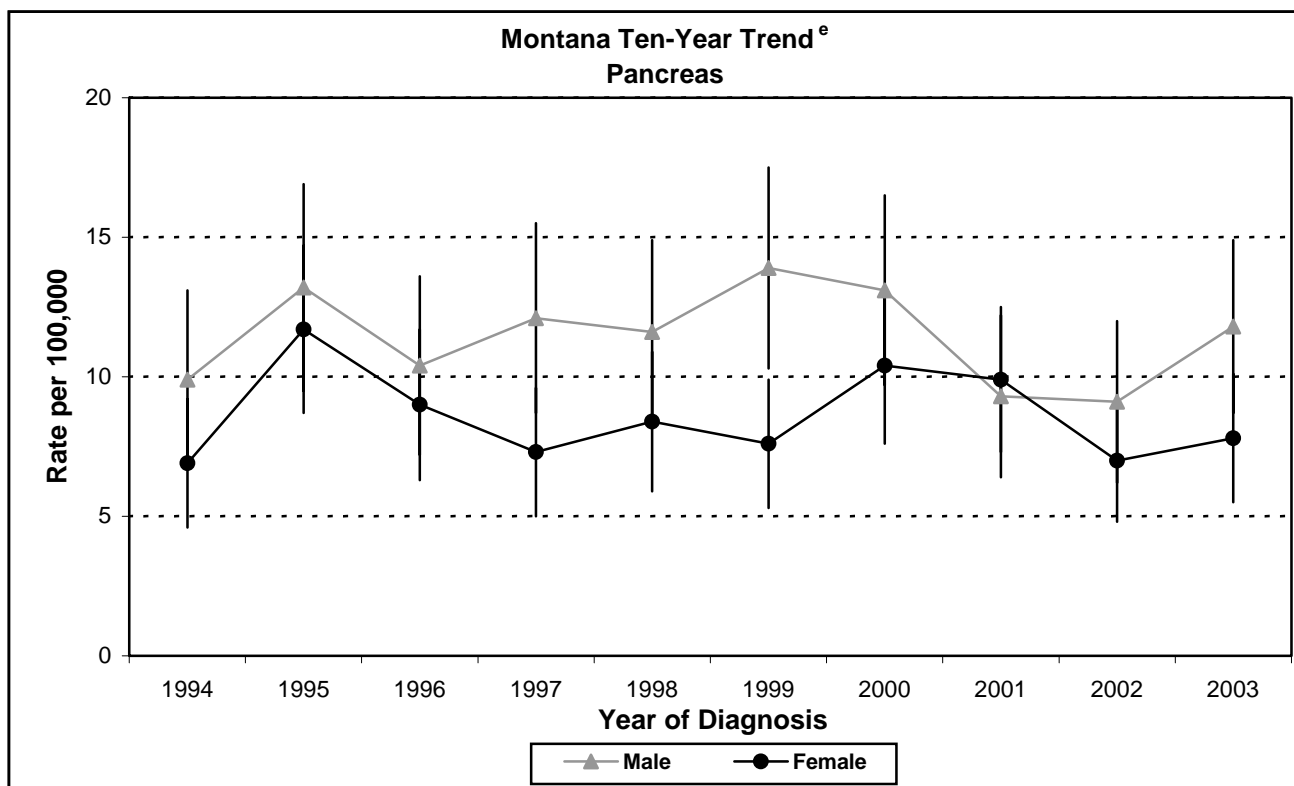
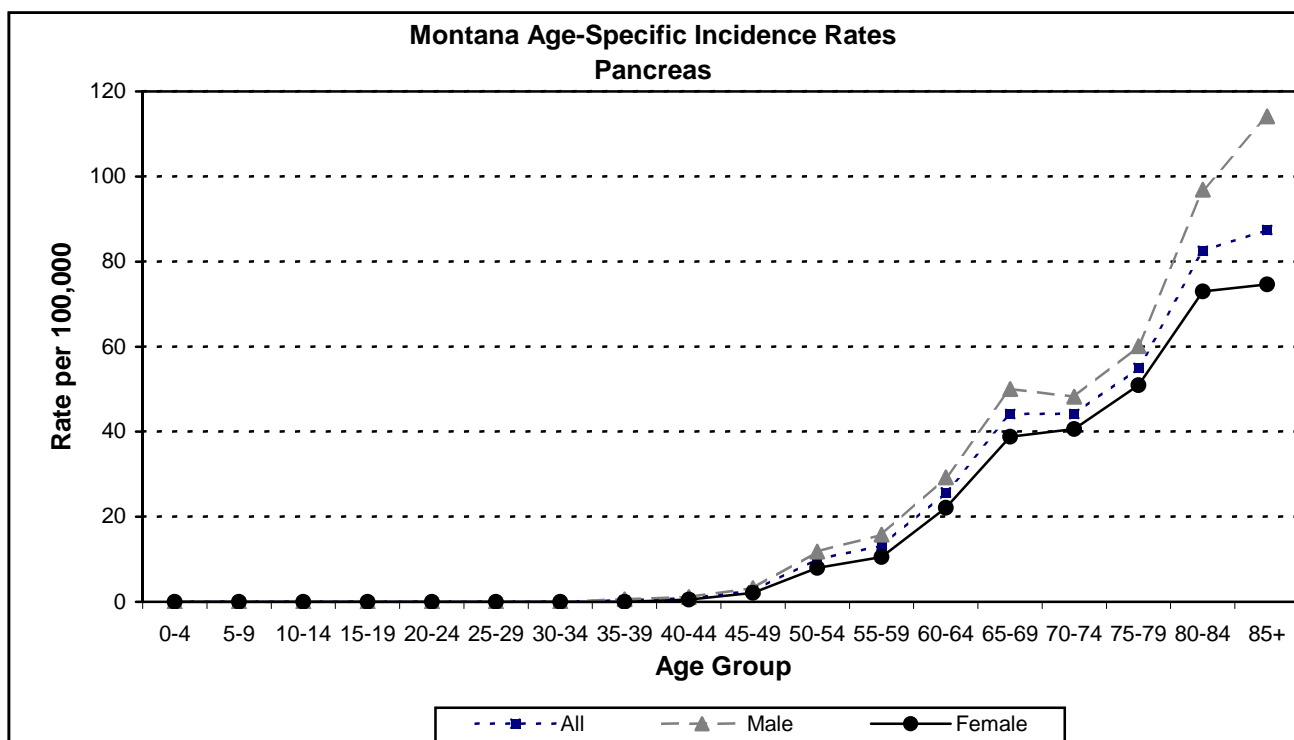
**Diabetes:** People with diabetes have a higher risk of developing pancreatic cancer.<sup>2</sup>

**Family History:** People whose parents or siblings have had pancreatic cancer are more likely to develop pancreatic cancer themselves. People with a family history of colon or ovarian cancer are more likely to develop pancreatic cancer.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

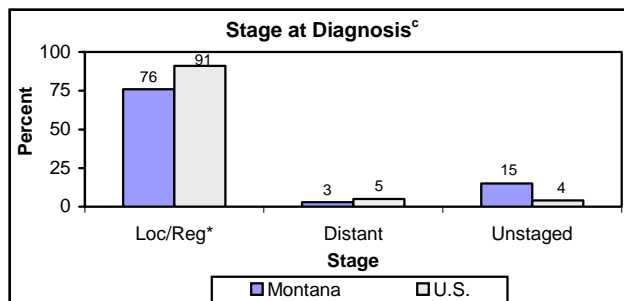
<sup>g</sup> Rates include invasive cases only.



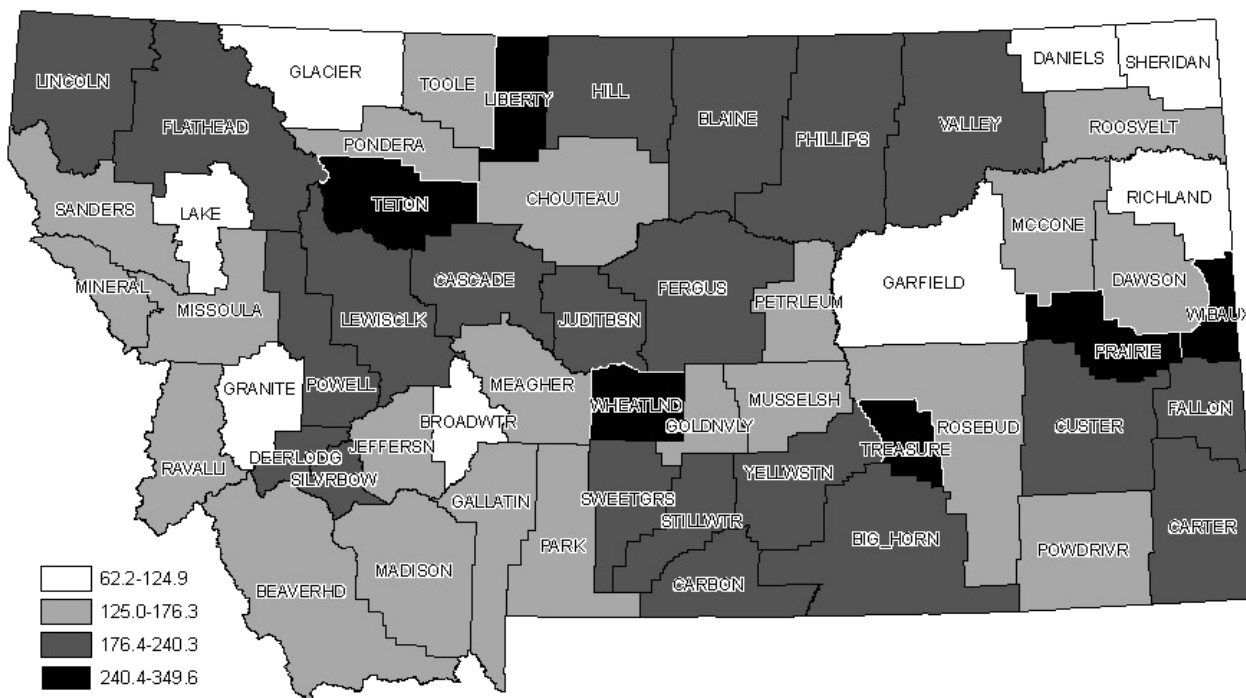
<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Prostate

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	180.9	-	-	177.6	-	-
Mortality Rate <sup>b</sup>	29.4	-	-	30.3	-	-
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	4,115	-	-			
In-Situ	165	-	-			
Uncertain	0	-	-			
Benign	0	-	-			



\* Local and regional stages are combined.



**Age:** Age is the strongest risk factor for prostate cancer, with most men diagnosed after age 60.

**Race:** African American men are more likely to be diagnosed with prostate cancer than men of other races.<sup>1,2</sup>

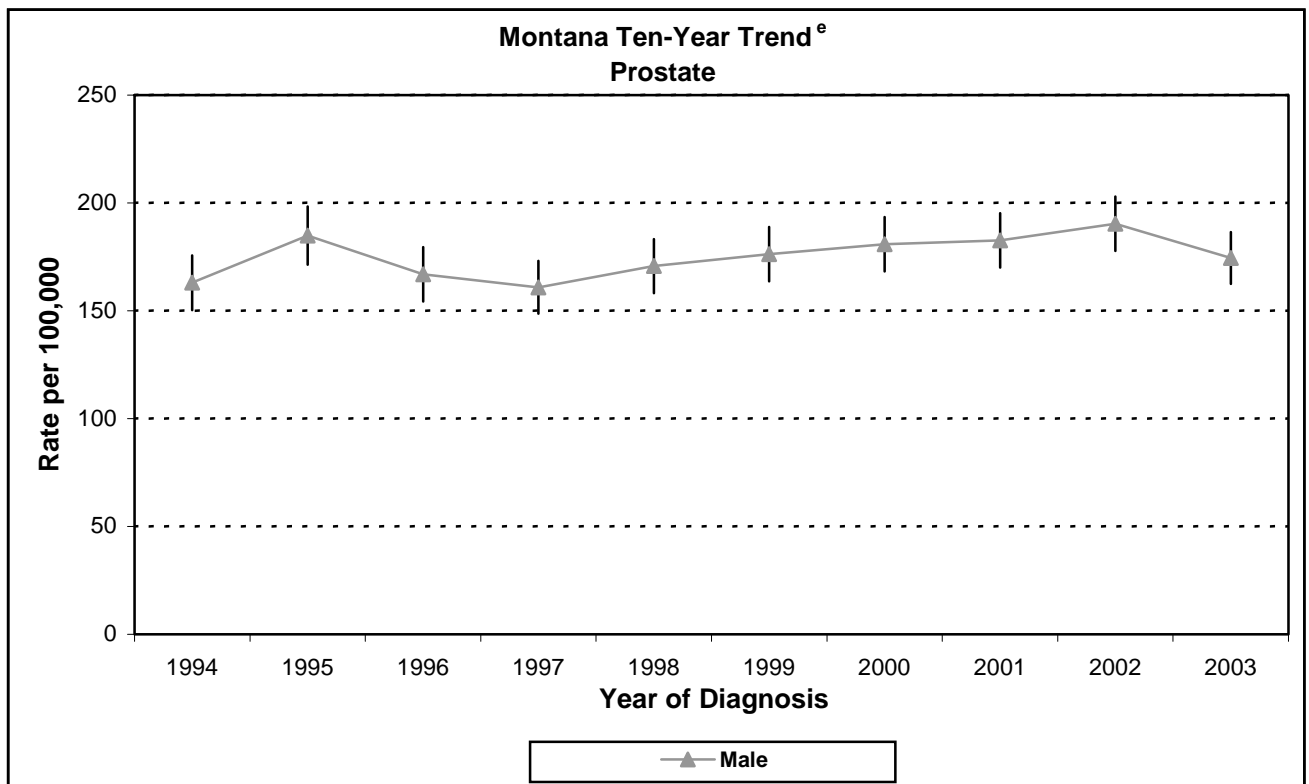
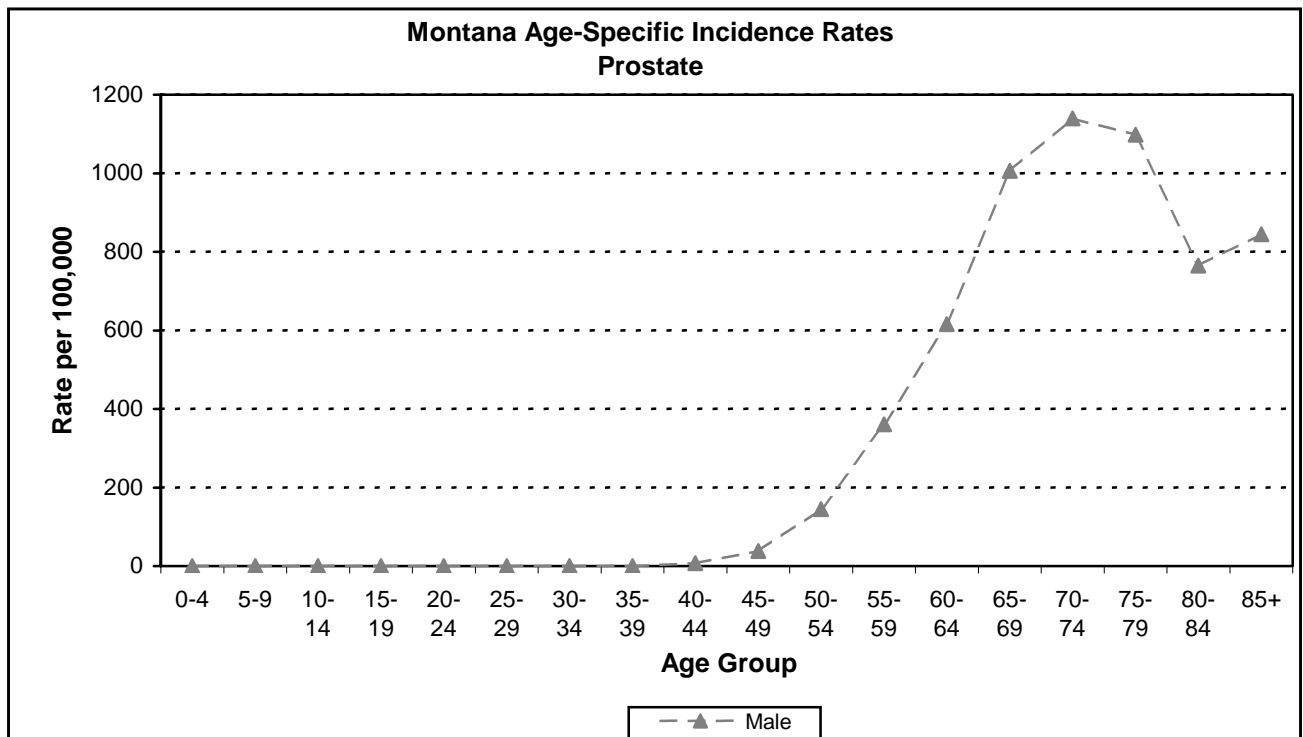
**Diet:** A diet high in animal fat or low in fruits and vegetables may increase the risk of prostate cancer.<sup>2</sup>

**Family History:** Risk of prostate cancer increases if a man's father or brother had the disease.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

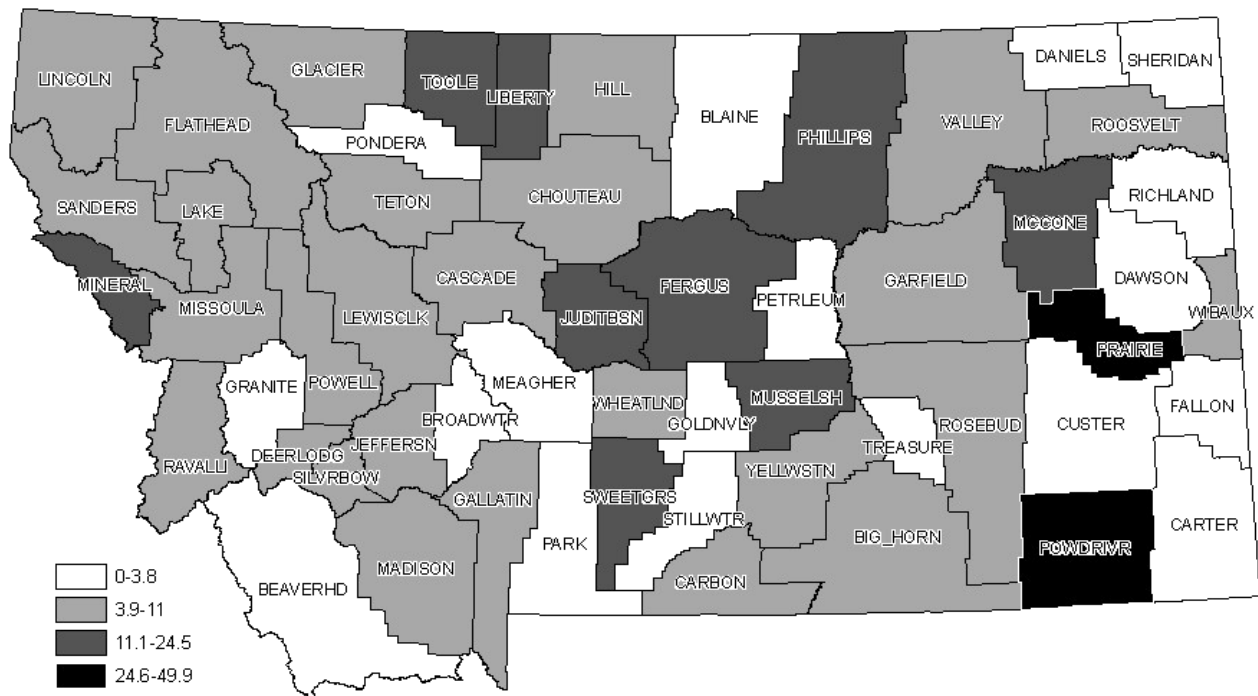
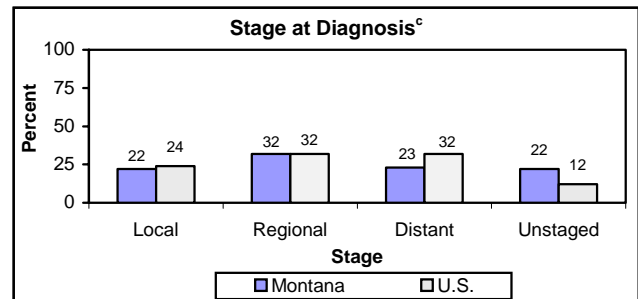
<sup>g</sup> Rates include invasive cases only.



<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Stomach

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	9.5	4.3	6.6	11.6	5.5	8.1
Mortality Rate <sup>b</sup>	4.8	2.5	3.4	6.3	3.2	4.5
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	209	115	324			
In-Situ	2	4	6			
Uncertain	0	0	0			
Benign	0	0	0			



**Race:** In the U.S., African Americans are diagnosed with stomach cancer more often than other races.<sup>1,4</sup>

**Diet:** People who eat a lot of foods preserved by drying, smoking, salting, or pickling have an increased risk of developing stomach cancer. Eating fresh fruits and vegetables appears to decrease one's risk.<sup>2</sup>

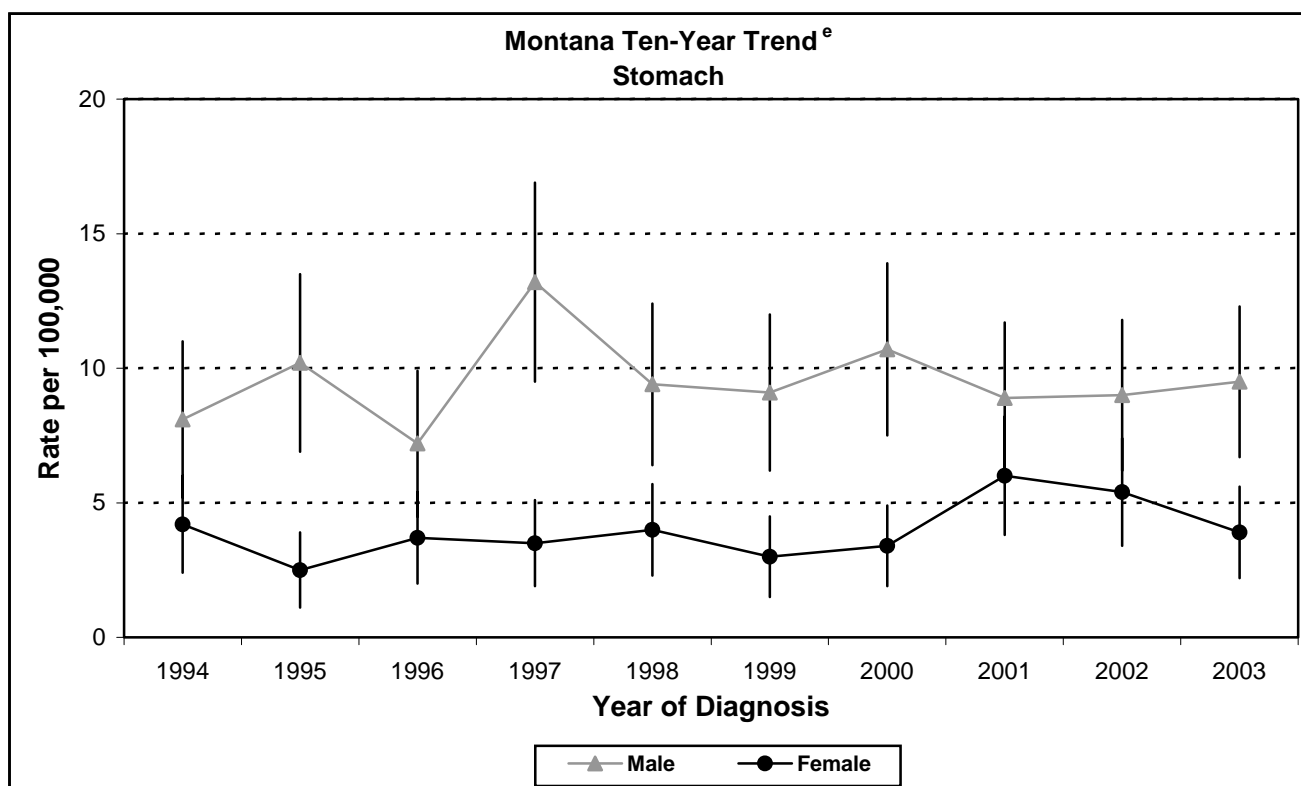
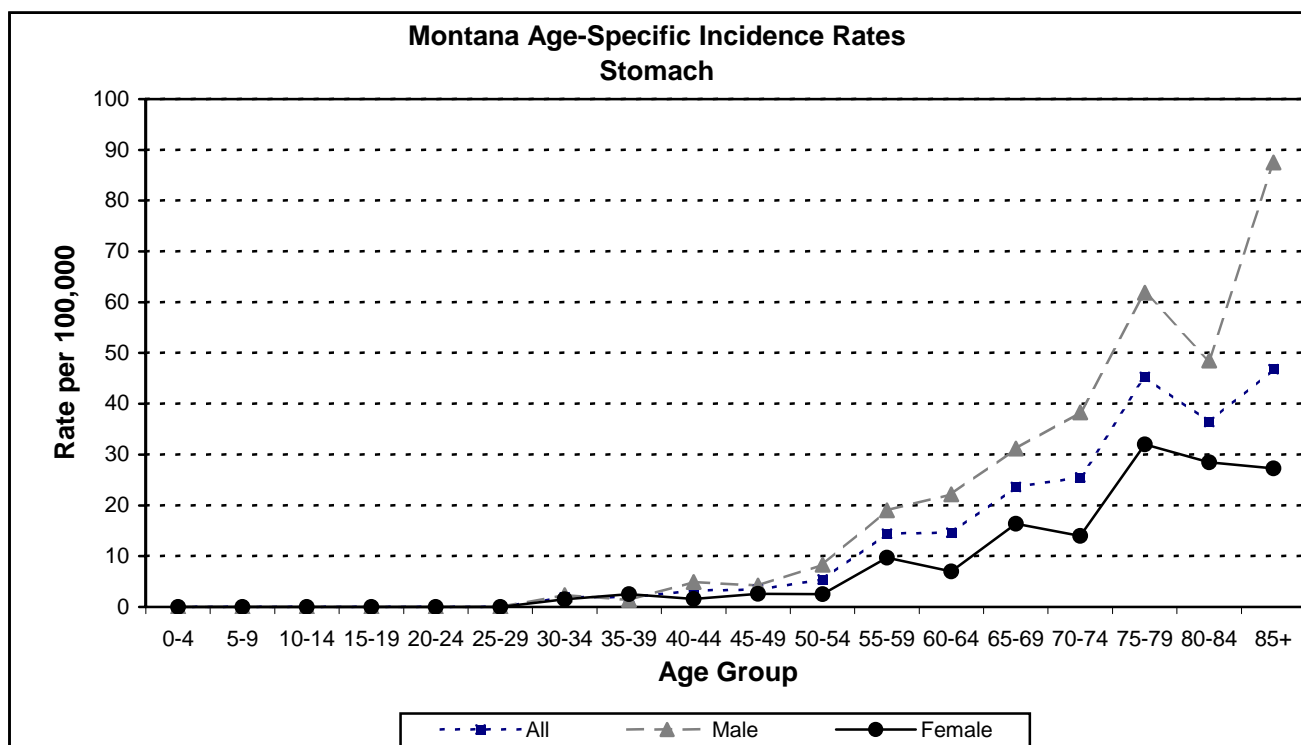
**Smoking:** Smoking tobacco may increase the risk for developing stomach cancer.<sup>2</sup>

**Conditions:** Infection with the *Helicobacter pylori* bacteria, stomach surgery, or having a decrease of gastric juices (from pernicious anemia, achlorhydria or gastric atrophy) increases the risk of developing stomach cancer.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

<sup>g</sup> Rates include invasive cases only.

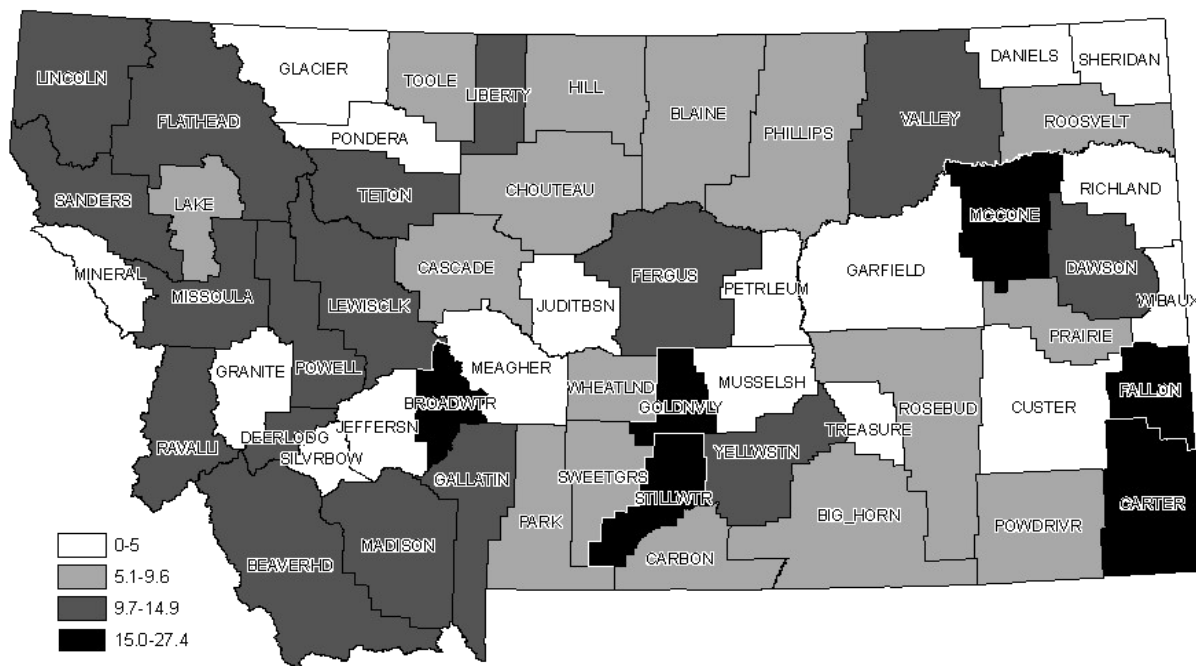
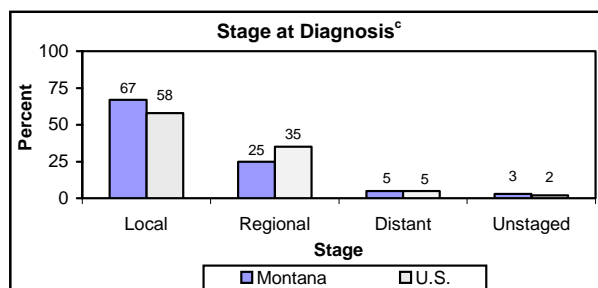


<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.



# Thyroid

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	4.7	15.3	10.0	4.1	11.3	7.8
Mortality Rate <sup>b</sup>	0.4	0.5	0.5	0.4	0.5	0.5
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	108	353	461			
In-Situ	0	0	0			
Uncertain	0	0	0			
Benign	0	0	0			



## Risk and Associated Factors

**Radiation:** People exposed to high levels of radiation, such as radioactive fallout or X-rays from 1920-1950, are much more likely to develop thyroid cancer.<sup>2</sup>

**Age:** Most people with thyroid cancer are over age 40.<sup>1,2</sup>

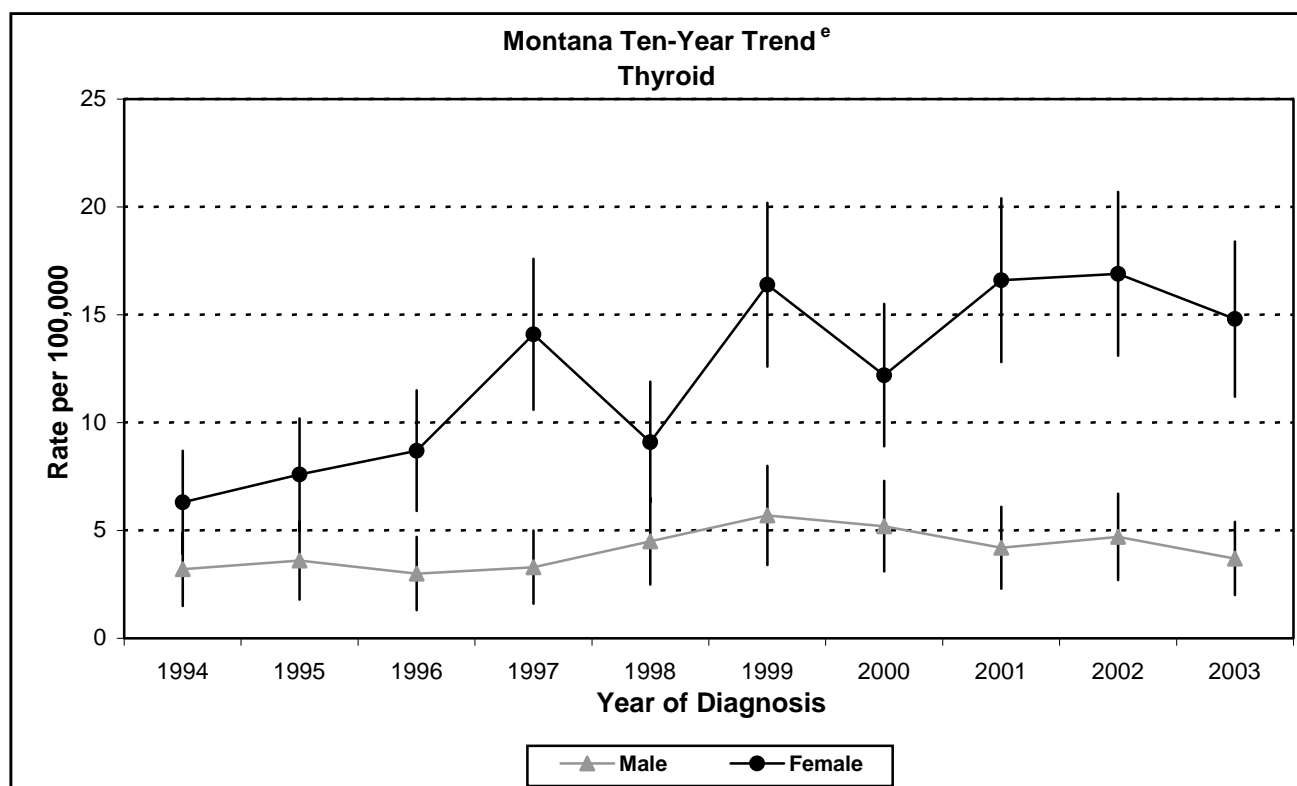
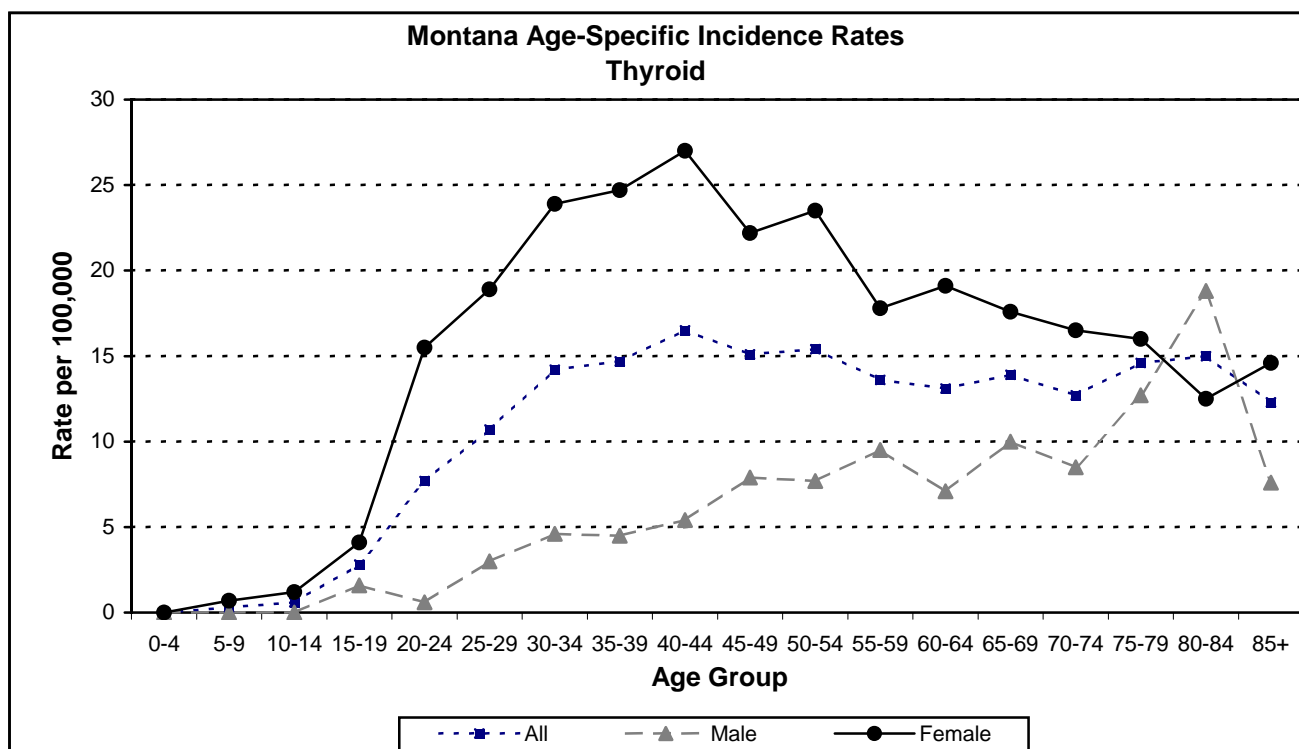
**Gender:** Women are two to three times more likely to develop thyroid cancer than men.<sup>1,2</sup>

**Race:** White people are more likely to be diagnosed with thyroid cancer than people of other races.<sup>1,2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

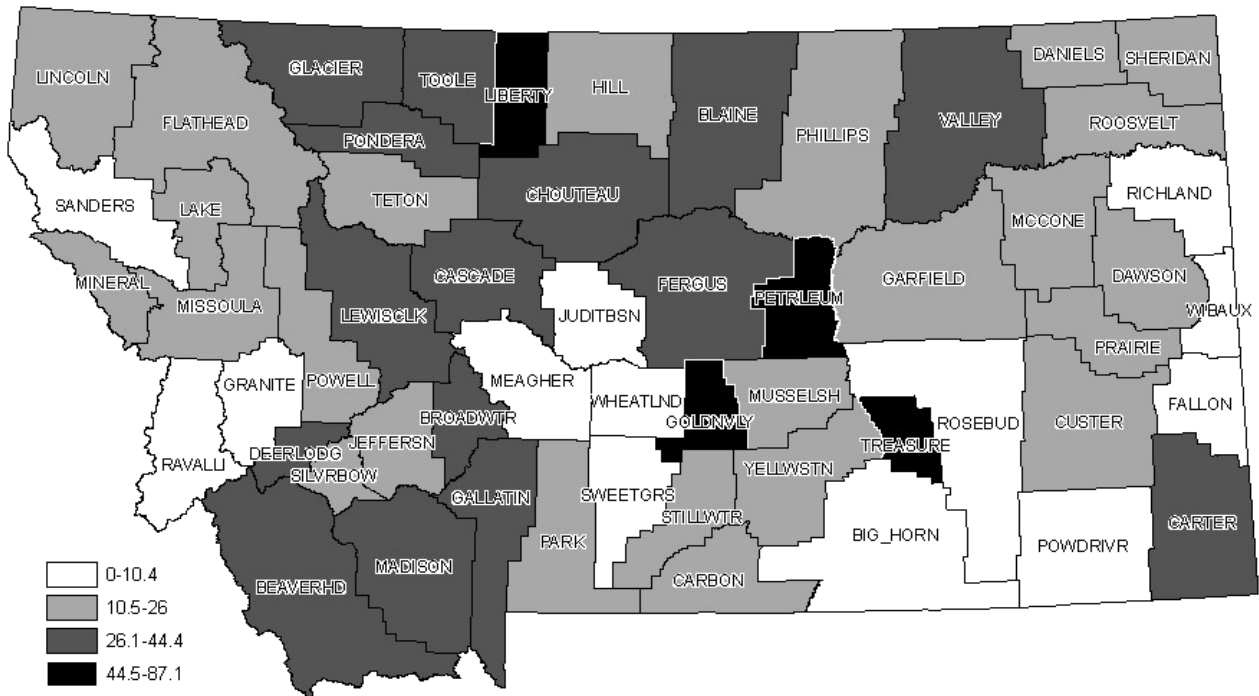
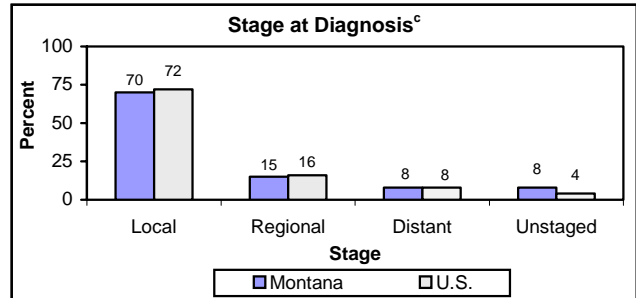
<sup>g</sup> Rates include invasive cases only.



<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

# Uterus

Incidence and Mortality Summary <sup>g</sup>						
	Montana			U.S.		
	Male	Fem.	Total	Male	Fem.	Total
Incidence Rate <sup>b</sup>	-	21.9	-	-	25.0	-
Mortality Rate <sup>b</sup>	-	4.3	-	-	4.1	-
Number of Cases:	Montana Only					
	Male	Female	Total			
Invasive	-	568	-			
In-Situ	-	8	-			
Uncertain	-	0	-			
Benign	-	0	-			



**Drugs:** Women who use estrogen without progesterone as a hormone replacement therapy (HRT) have an increased risk of developing uterine cancer.<sup>2</sup>

**Obesity:** Obese women have an increased risk of uterine cancer.<sup>2</sup>

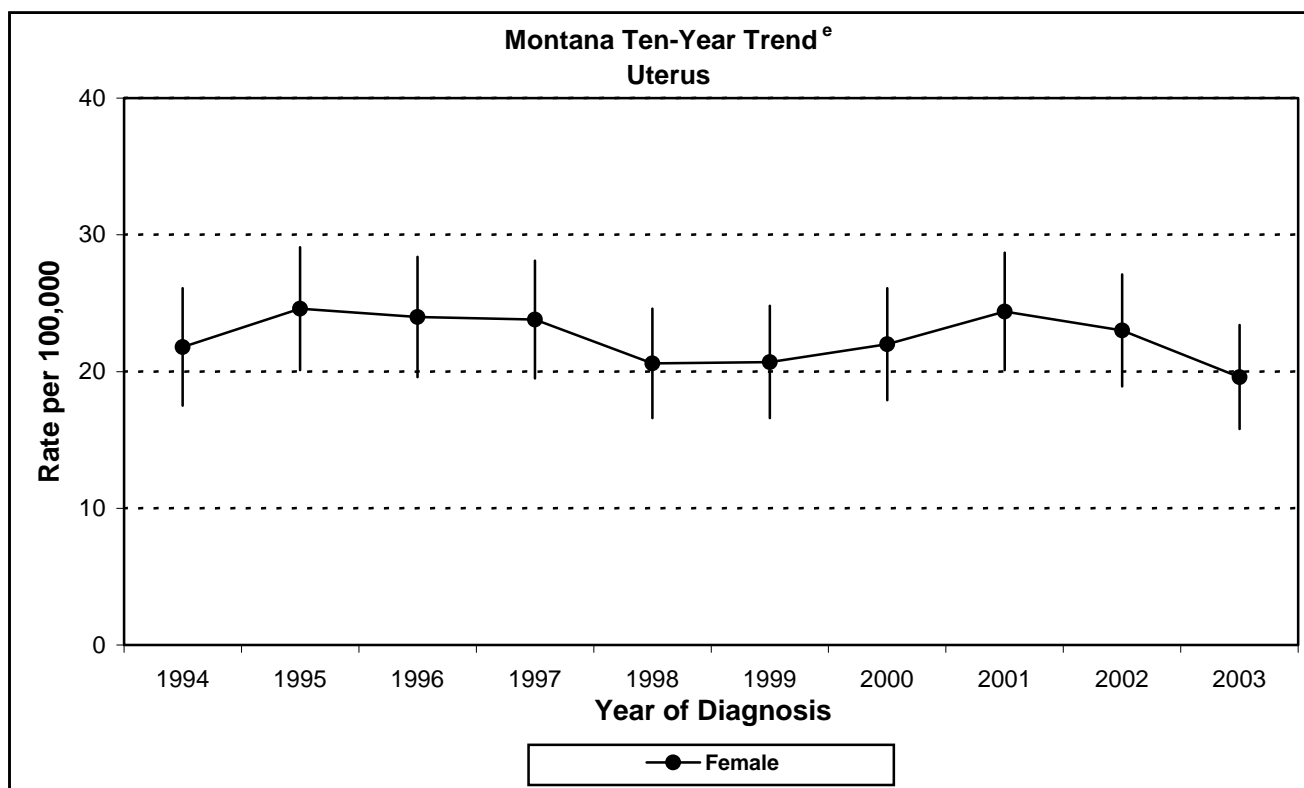
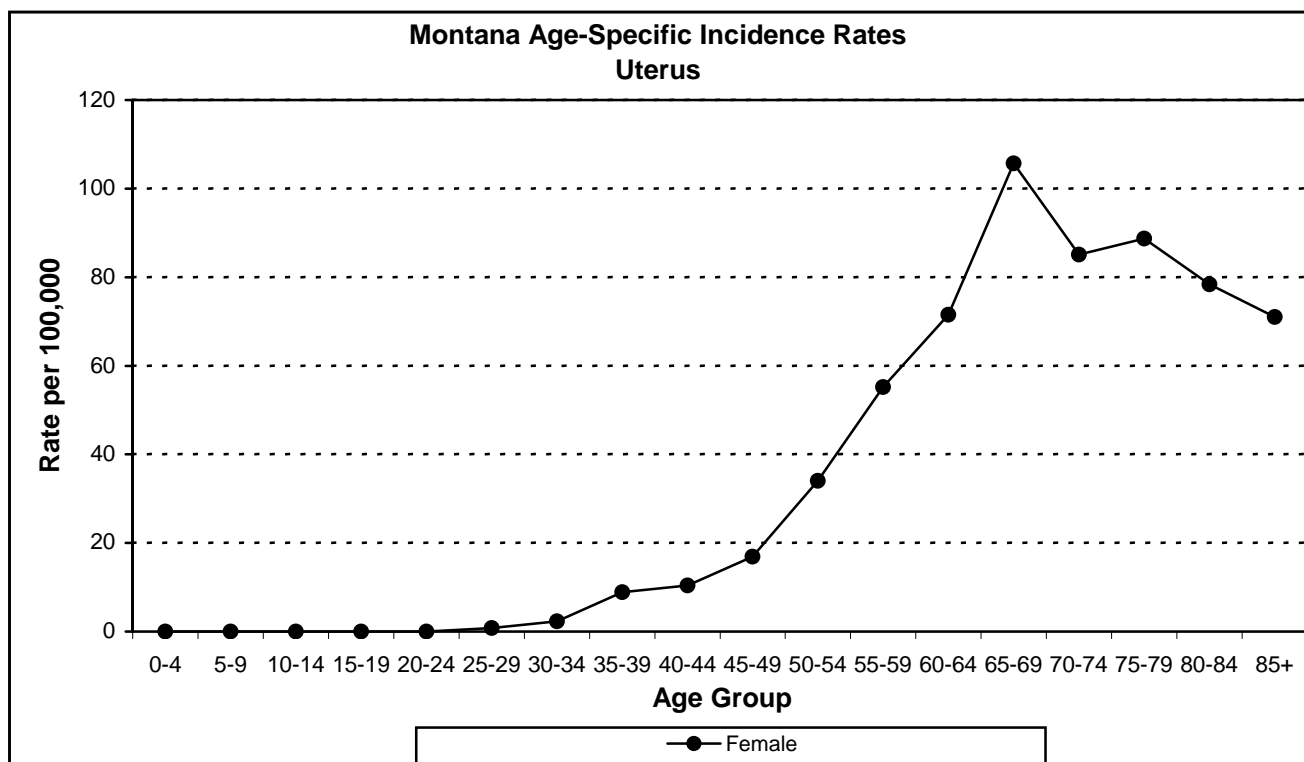
**Childbearing:** Women who have no children are at increased risk of developing uterine cancer.<sup>2</sup>

**Menstruation:** Women who began menstruation at an early age or entered menopause late in life have a higher risk of uterine cancer.<sup>2</sup>

<sup>b</sup> Incidence and mortality rates are per 100,000 age-adjusted to the 2000 Standard Million Population. Montana age-adjusted rates are for 1999-2003; U.S. age-adjusted rates are for 1998-2002.

<sup>c</sup> Montana stage at diagnosis are for 1999-2003; U.S. data for stage at diagnosis are 1995-2001.

<sup>g</sup> Rates include invasive cases only.



<sup>e</sup> Confidence intervals (95%) are shown with vertical bar. 2003 incidence data estimated 90% complete.

## County Incidence Rates by Site with 95% Confidence Intervals

County of Residence	All Cancers		Bladder		Brain		Breast (female)	
	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates
Montana	469.3	(463.2 - 475.4)	22.6	(21.3 - 24.0)	6.9	(6.2 - 7.7)	126.0	(121.7 - 130.4)
Beaverhead	399.5	(343.4 - 455.6)	17.4	(5.9 - 28.9)	12.2	(2.3 - 22.2)	95.1	(56.3 - 134.0)
Big Horn	488.0	(425.0 - 551.1)	22.7	(9.0 - 36.5)	1.7	(0.0 - 4.9)	114.5	(74.1 - 154.9)
Blaine	432.4	(362.9 - 501.9)	21.6	(6.6 - 36.6)	2.7	(0.0 - 8.0)	137.0	(83.0 - 190.9)
Broadwater	473.3	(391.8 - 554.7)	32.9	(12.5 - 53.3)	3.6	(0.0 - 10.7)	164.0	(95.9 - 232.1)
Carbon	486.1	(429.5 - 542.7)	21.0	(9.5 - 32.4)	5.0	(0.0 - 10.7)	89.6	(56.0 - 123.2)
Carter	356.5	(233.5 - 479.4)	32.0	(0.0 - 68.7)	12.0	(0.0 - 35.5)	56.1	(0.0 - 123.3)
Cascade	480.5	(459.9 - 501.0)	18.8	(14.8 - 22.8)	5.0	(2.9 - 7.2)	131.7	(116.8 - 146.6)
Chouteau	438.3	(370.3 - 506.4)	19.3	(5.6 - 33.1)	3.0	(0.0 - 8.8)	104.1	(57.9 - 150.3)
Custer	489.7	(438.0 - 541.4)	24.3	(13.3 - 35.2)	8.6	(0.8 - 16.4)	88.4	(57.1 - 119.7)
Daniels	328.2	(242.6 - 413.7)	7.3	(0.0 - 21.5)	14.5	(0.0 - 34.9)	63.3	(10.8 - 115.8)
Dawson	448.1	(392.5 - 503.8)	20.7	(9.4 - 32.0)	1.7	(0.0 - 5.0)	103.3	(64.4 - 142.3)
Deer Lodge	504.3	(446.6 - 562.1)	25.9	(13.1 - 38.8)	12.9	(1.9 - 23.8)	112.2	(73.4 - 151.0)
Fallon	433.7	(335.6 - 531.7)	24.9	(3.0 - 46.8)	0.0	na	52.0	(4.1 - 99.8)
Fergus	520.9	(470.9 - 570.9)	19.3	(9.9 - 28.7)	8.3	(1.6 - 15.1)	118.6	(84.2 - 153.0)
Flathead	475.4	(454.2 - 496.6)	18.0	(13.9 - 22.2)	8.6	(5.8 - 11.5)	132.3	(117.1 - 147.5)
Gallatin	437.6	(412.3 - 462.9)	23.9	(17.8 - 30.0)	4.1	(1.8 - 6.3)	151.0	(130.9 - 171.1)
Garfield	346.1	(215.8 - 476.4)	7.0	(0.0 - 20.7)	11.4	(0.0 - 33.8)	32.0	(0.0 - 77.9)
Glacier	418.3	(363.6 - 473.1)	11.0	(2.1 - 19.9)	9.1	(1.0 - 17.2)	129.8	(88.9 - 170.8)
Golden Valley	551.3	(364.1 - 738.5)	80.2	(7.9 - 152.4)	0.0	na	148.1	(0.0 - 298.6)
Granite	338.5	(250.1 - 426.8)	18.6	(0.0 - 39.8)	0.0	na	78.1	(20.0 - 136.1)
Hill	493.8	(445.4 - 542.3)	18.6	(9.5 - 27.7)	10.6	(3.2 - 18.0)	137.0	(101.9 - 172.1)
Jefferson	448.8	(386.4 - 511.2)	27.3	(10.3 - 44.3)	7.0	(0.0 - 14.1)	87.5	(54.0 - 121.0)
Judith Basin	406.3	(304.3 - 508.2)	7.7	(0.0 - 22.9)	7.8	(0.0 - 23.0)	79.0	(15.6 - 142.5)
Lake	424.4	(391.7 - 457.2)	20.4	(13.2 - 27.6)	8.3	(3.6 - 13.0)	123.7	(99.2 - 148.3)
Lewis & Clark	499.2	(473.0 - 525.3)	23.6	(17.9 - 29.3)	9.4	(5.8 - 13.0)	147.0	(127.9 - 166.1)
Liberty	487.3	(371.3 - 603.4)	34.5	(3.4 - 65.5)	11.2	(0.0 - 27.1)	128.2	(51.9 - 204.6)
Lincoln	511.7	(469.9 - 553.4)	32.4	(21.9 - 42.8)	7.2	(2.0 - 12.5)	162.2	(129.6 - 194.8)
McCone	352.0	(245.7 - 458.3)	23.5	(0.0 - 50.6)	12.3	(0.0 - 29.3)	97.3	(18.3 - 176.3)
Madison	363.9	(308.2 - 419.5)	18.9	(6.5 - 31.4)	1.7	(0.0 - 5.0)	99.9	(57.5 - 142.3)
Meagher	460.7	(342.2 - 579.1)	28.8	(0.6 - 57.1)	7.3	(0.0 - 21.6)	136.3	(38.9 - 233.6)
Mineral	423.1	(339.8 - 506.4)	29.6	(6.6 - 52.6)	8.4	(0.0 - 20.2)	95.0	(37.9 - 152.2)
Missoula	426.3	(406.5 - 446.1)	21.9	(17.3 - 26.5)	6.0	(3.7 - 8.3)	130.8	(116.1 - 145.6)
Musselshell	522.5	(437.4 - 607.6)	21.4	(5.5 - 37.4)	18.2	(0.0 - 38.2)	117.0	(63.6 - 170.5)
Park	452.5	(409.0 - 496.1)	20.2	(11.1 - 29.4)	10.5	(3.5 - 17.5)	110.1	(80.9 - 139.2)
Petroleum	469.7	(237.1 - 702.2)	28.5	(27.4 - 84.4)	0.0	na	218.7	(0.0 - 469.6)
Phillips	510.0	(426.5 - 593.4)	36.6	(13.8 - 59.3)	0.0	na	83.7	(35.9 - 131.6)
Pondera	486.1	(415.2 - 556.9)	18.0	(4.6 - 31.4)	16.8	(1.5 - 32.1)	114.9	(64.2 - 165.7)
Powder River	362.7	(250.5 - 474.8)	30.8	(0.4 - 61.3)	23.6	(0.0 - 50.7)	115.2	(26.4 - 204.1)
Powell	536.8	(464.0 - 609.6)	23.3	(8.7 - 37.8)	8.3	(0.0 - 17.8)	105.6	(56.0 - 155.2)
Prairie	623.0	(459.9 - 786.1)	53.7	(10.4 - 96.9)	0.0	na	87.2	(0.6 - 173.9)
Ravalli	404.3	(377.6 - 430.9)	25.1	(18.6 - 31.5)	8.9	(4.8 - 13.1)	88.2	(70.7 - 105.6)
Richland	402.6	(348.8 - 456.4)	10.6	(2.1 - 19.1)	8.3	(0.0 - 16.7)	125.8	(84.1 - 167.5)
Roosevelt	476.6	(414.9 - 438.3)	10.2	(1.2 - 19.2)	0.0	na	152.3	(104.8 - 199.8)
Rosebud	506.0	(433.6 - 578.4)	14.5	(2.4 - 26.6)	6.4	(0.0 - 13.8)	111.9	(68.1 - 155.7)
Sanders	473.0	(421.4 - 524.5)	24.1	(12.8 - 35.5)	2.9	(0.0 - 6.9)	140.4	(101.2 - 179.6)
Sheridan	369.6	(301.8 - 437.4)	25.0	(7.5 - 42.5)	3.1	(0.0 - 9.3)	55.6	(16.2 - 95.1)
Silver Bow	491.0	(460.5 - 521.5)	31.4	(23.7 - 39.0)	4.9	(1.6 - 8.3)	119.5	(98.5 - 140.5)
Stillwater	557.5	(490.3 - 624.7)	15.8	(4.8 - 26.8)	5.9	(0.0 - 14.4)	159.9	(109.9 - 210.0)
Sweet Grass	426.1	(342.6 - 509.6)	13.0	(0.0 - 26.0)	3.8	(0.0 - 11.4)	126.1	(56.4 - 195.8)
Teton	482.4	(414.0 - 550.8)	21.6	(6.3 - 36.8)	4.8	(0.0 - 11.5)	171.7	(113.3 - 230.2)
Toole	437.7	(362.5 - 513.0)	19.5	(3.7 - 35.3)	10.6	(0.0 - 22.7)	142.1	(80.8 - 203.5)
Treasure	556.7	(354.3 - 759.1)	16.9	(0.0 - 50.0)	22.4	0.0 - 66.4)	99.4	(0.0 - 212.1)
Valley	574.2	(507.1 - 641.3)	28.2	(12.6 - 43.9)	9.7	(0.1 - 19.3)	113.5	(70.0 - 157.0)
Wheatland	413.7	(308.8 - 518.7)	20.0	(0.2 - 39.7)	0.0	na	108.6	(29.6 - 187.6)
Wibaux	429.1	(274.0 - 584.2)	22.1	(0.0 - 52.8)	17.0	(0.0 - 50.2)	98.3	(0.0 - 211.9)
Yellowstone	513.6	(496.7 - 530.5)	27.2	(23.3 - 31.0)	7.2	(5.2 - 9.3)	131.8	(120.2 - 143.5)

## County Incidence Rates by Site with 95% Confidence Intervals

County of Residence	Cervix		Colon & Rectum		Kidney & Renal Pelvis		Leukemia	
	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates
Montana	8.3	(7.1 - 9.5)	49.6	(47.6 - 51.6)	11.7	(10.7 - 12.6)	12.8	(11.8 - 13.8)
Beaverhead	3.7	(0.0 - 10.9)	40.2	(22.8 - 57.6)	18.4	(6.3 - 30.4)	11.0	(2.2 - 19.8)
Big Horn	6.6	(0.0 - 15.8)	50.8	(30.4 - 71.2)	21.3	(9.0 - 33.6)	18.7	(6.1 - 31.3)
Blaine	5.2	(0.0 - 15.3)	42.9	(21.1 - 64.7)	12.1	(0.2 - 23.9)	11.8	(0.2 - 23.5)
Broadwater	17.2	(0.0 - 41.3)	48.5	(23.0 - 74.0)	14.2	(0.3 - 28.1)	7.0	(0.0 - 16.8)
Carbon	10.3	(0.0 - 21.9)	59.6	(40.6 - 78.6)	8.1	(0.0 - 16.6)	13.8	(3.9 - 23.6)
Carter	21.5	(0.0 - 63.7)	38.8	(0.5 - 77.2)	0.0	na	0.0	na
Cascade	12.4	(7.5 - 17.3)	49.9	(43.3 - 56.5)	14.6	(11.0 - 18.1)	9.0	(6.2 - 11.8)
Chouteau	0.0	na	64.4	(39.8 - 89.0)	17.9	(4.4 - 31.4)	18.5	(4.8 - 32.2)
Custer	0.0	na	59.7	(41.7 - 77.6)	5.9	(0.1 - 11.6)	18.8	(8.3 - 29.2)
Daniels	11.4	(0.0 - 33.8)	67.0	(28.1 - 105.9)	4.5	(0.0 - 13.3)	10.1	(0.0 - 24.1)
Dawson	21.1	(2.2 - 40.0)	46.6	(29.0 - 64.2)	7.0	(0.1 - 13.9)	11.3	(1.5 - 21.0)
Deer Lodge	1.9	(0.0 - 5.6)	48.1	(31.0 - 65.3)	11.1	(2.9 - 19.4)	11.4	(3.4 - 19.3)
Fallon	0.0	na	54.4	(20.1 - 88.7)	16.8	(0.0 - 35.8)	24.4	(0.0 - 49.1)
Fergus	3.0	(0.0 - 8.8)	56.5	(40.3 - 72.8)	8.8	(2.1 - 15.5)	24.1	(12.4 - 35.7)
Flathead	13.7	(8.5 - 18.8)	50.1	(43.3 - 57.0)	12.5	(9.1 - 16.0)	10.4	(7.2 - 13.5)
Gallatin	5.9	(2.2 - 9.7)	44.7	(36.5 - 52.8)	8.5	(5.0 - 12.0)	11.3	(7.2 - 15.4)
Garfield	39.4	(0.0 - 116.6)	63.4	(7.7 - 119.1)	0.0	na	0.0	na
Glacier	2.9	(0.0 - 8.6)	64.3	(42.2 - 86.3)	14.6	(5.1 - 24.2)	13.5	(3.4 - 23.6)
Golden Valley	0.0	na	55.0	(0.6 - 109.5)	13.2	(0.0 - 39.0)	0.0	na
Granite	0.0	na	35.6	(8.9 - 62.4)	5.7	(0.0 - 16.9)	12.0	(0.0 - 35.6)
Hill	2.3	(0.0 - 6.9)	65.4	(47.9 - 82.9)	19.7	(10.0 - 29.4)	15.3	(6.6 - 24.0)
Jefferson	10.6	(0.0 - 25.8)	51.1	(29.5 - 72.8)	18.2	(5.7 - 30.6)	17.7	(4.4 - 30.9)
Judith Basin	0.0	na	45.4	(11.5 - 79.3)	20.7	(0.0 - 44.3)	19.8	(0.0 - 42.6)
Lake	7.2	(0.8 - 13.5)	50.2	(39.1 - 61.4)	12.2	(6.4 - 17.9)	10.9	(5.5 - 16.2)
Lewis & Clark	7.8	(3.3 - 12.2)	51.0	(42.6 - 59.4)	8.4	(5.1 - 11.7)	14.1	(9.6 - 18.6)
Liberty	8.5	(0.0 - 25.1)	33.8	(6.5 - 61.1)	0.0	na	25.1	(0.1 - 50.1)
Lincoln	10.6	(1.0 - 20.1)	50.6	(37.6 - 63.6)	10.5	(4.5 - 16.5)	11.7	(5.5 - 17.9)
McCone	0.0	na	65.7	(21.3 - 110.1)	0.0	na	19.7	(0.0 - 42.1)
Madison	0.0	na	30.6	(14.5 - 46.7)	4.8	(0.0 - 11.5)	7.9	(0.1 - 15.7)
Meagher	8.9	(0.0 - 26.4)	54.3	(12.0 - 96.5)	14.7	(0.0 - 35.0)	0.0	na
Mineral	0.0	na	33.2	(8.9 - 57.4)	3.5	(0.0 - 10.5)	13.4	(0.0 - 28.6)
Missoula	4.7	(1.9 - 7.6)	39.4	(33.3 - 45.4)	10.0	(7.0 - 13.0)	10.1	(7.1 - 13.2)
Musselshell	11.0	(0.0 - 32.5)	61.6	(32.0 - 91.1)	12.3	(0.2 - 24.4)	19.9	(3.8 - 35.9)
Park	20.3	(6.1 - 34.5)	49.2	(34.9 - 63.5)	10.2	(3.5 - 17.0)	16.3	(7.6 - 25.0)
Petroleum	0.0	na	123.6	(1.3 - 245.9)	0.0	na	25.0	(0.0 - 74.1)
Phillips	0.0	na	80.5	(48.5 - 112.5)	7.4	(0.0 - 15.8)	21.5	(4.3 - 38.8)
Pondera	16.7	(0.0 - 35.6)	42.4	(22.1 - 62.7)	18.5	(4.6 - 32.5)	21.2	(6.5 - 35.9)
Powder River	0.0	na	9.4	(0.0 - 27.9)	0.0	na	0.0	na
Powell	12.6	(0.0 - 30.1)	41.9	(21.8 - 62.0)	27.1	(11.1 - 43.1)	31.7	(12.2 - 51.3)
Prairie	13.2	(0.0 - 39.1)	68.7	(16.4 - 120.9)	37.4	(0.0 - 95.6)	6.6	(0.0 - 19.6)
Ravalli	4.6	(0.0 - 9.3)	35.3	(27.6 - 43.0)	10.6	(6.2 - 15.0)	9.0	(5.0 - 13.0)
Richland	6.3	(0.0 - 15.3)	37.0	(20.9 - 53.1)	3.7	(0.0 - 8.9)	23.0	(10.4 - 35.6)
Roosevelt	12.0	(0.0 - 25.7)	59.9	(38.3 - 81.5)	26.8	(12.2 - 41.5)	12.4	(2.4 - 22.4)
Rosebud	0.0	na	63.8	(38.6 - 88.9)	13.2	(0.2 - 26.2)	9.3	(0.0 - 20.0)
Sanders	11.3	(0.2 - 22.3)	53.7	(36.4 - 70.9)	13.8	(4.4 - 23.2)	9.1	(2.3 - 16.0)
Sheridan	10.6	(0.0 - 31.3)	39.2	(17.6 - 60.8)	8.9	(0.0 - 18.9)	16.6	(1.9 - 31.2)
Silver Bow	7.1	(1.3 - 13.0)	59.1	(48.6 - 69.6)	13.1	(8.1 - 18.1)	12.7	(7.7 - 17.7)
Stillwater	12.4	(0.0 - 26.4)	55.6	(34.5 - 76.7)	7.9	(0.1 - 15.6)	17.3	(5.3 - 29.3)
Sweet Grass	0.0	na	35.6	(13.2 - 58.0)	4.4	(0.0 - 13.1)	10.2	(0.0 - 22.0)
Teton	11.3	(0.0 - 26.9)	49.7	(28.6 - 70.7)	4.4	(0.0 - 10.5)	8.4	(0.0 - 18.4)
Toole	0.0	na	57.6	(30.7 - 84.5)	12.2	(0.1 - 24.3)	8.9	(0.0 - 19.2)
Treasure	32.6	(0.0 - 96.6)	41.9	(0.0 - 101.1)	15.6	(0.0 - 46.3)	0.0	na
Valley	3.0	(0.0 - 8.8)	72.6	(49.9 - 95.3)	20.1	(7.5 - 32.7)	20.0	(7.9 - 32.1)
Wheatland	42.8	(0.0 - 105.8)	28.0	(0.5 - 55.6)	11.5	(0.0 - 27.6)	35.4	(4.2 - 66.5)
Wibaux	54.7	(0.0 - 161.8)	45.0	(0.0 - 90.1)	0.0	na	10.6	(0.0 - 31.3)
Yellowstone	7.9	(4.9 - 10.9)	51.3	(46.0 - 56.6)	12.0	(9.4 - 14.5)	14.6	(11.7 - 17.4)

## County Incidence Rates by Site with 95% Confidence Intervals

County of Residence	Lung		Melanoma of the Skin		Non-Hodgkin Lymphoma		Oral Cavity & Pharynx	
	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates
Montana	65.3	(63.1 - 67.6)	15.7	(14.5 - 16.8)	17.8	(16.6 - 19.0)	10.0	(9.2 - 10.9)
Beaverhead	52.1	(32.0 - 72.3)	17.5	(5.2 - 29.9)	15.2	(5.1 - 25.4)	6.7	(0.0 - 14.3)
Big Horn	72.0	(47.0 - 97.0)	12.7	(2.3 - 23.2)	15.1	(4.5 - 25.6)	8.6	(1.0 - 16.3)
Blaine	62.7	(36.5 - 88.9)	8.5	(0.0 - 18.2)	15.2	(1.9 - 28.5)	17.6	(3.5 - 31.7)
Broadwater	88.8	(53.7 - 123.9)	3.4	(0.0 - 10.2)	20.5	(4.0 - 36.9)	10.2	(0.0 - 21.9)
Carbon	53.9	(35.4 - 72.3)	35.5	(18.9 - 52.1)	16.6	(6.3 - 27.0)	11.2	(2.9 - 19.5)
Carter	33.4	(0.0 - 71.4)	0.0	na	0.0	na	10.6	(0.0 - 31.5)
Cascade	69.2	(61.4 - 77.0)	12.5	(9.2 - 15.9)	18.3	(14.3 - 22.3)	8.9	(6.1 - 11.7)
Chouteau	51.7	(28.7 - 74.8)	1.8	(0.0 - 5.3)	20.1	(5.9 - 34.4)	4.7	(0.0 - 11.5)
Custer	76.5	(56.4 - 96.5)	12.5	(3.5 - 21.5)	18.1	(8.2 - 28.0)	13.4	(3.9 - 22.8)
Daniels	51.0	(18.7 - 83.2)	7.3	(0.0 - 21.5)	15.7	(0.0 - 34.0)	9.1	(0.0 - 22.0)
Dawson	67.7	(46.9 - 88.5)	19.7	(7.1 - 32.3)	23.3	(9.5 - 37.0)	11.2	(2.9 - 19.6)
Deer Lodge	68.4	(48.1 - 88.7)	18.6	(5.7 - 31.5)	19.0	(8.1 - 29.9)	12.8	(2.1 - 23.5)
Fallon	56.5	(22.5 - 90.5)	5.4	(0.0 - 16.0)	10.4	(0.0 - 24.9)	19.9	(0.4 - 39.4)
Fergus	58.3	(42.1 - 74.5)	18.2	(8.9 - 27.5)	31.2	(18.9 - 43.6)	15.5	(7.6 - 23.5)
Flathead	64.2	(56.4 - 72.0)	17.5	(13.4 - 21.6)	18.8	(14.6 - 23.0)	7.3	(4.7 - 9.9)
Gallatin	44.1	(35.8 - 52.4)	15.1	(10.7 - 19.6)	17.2	(12.1 - 22.3)	7.7	(4.5 - 10.8)
Garfield	13.1	(0.0 - 38.9)	11.7	(0.0 - 34.7)	37.2	(0.0 - 79.4)	11.4	(0.0 - 33.8)
Glacier	68.8	(46.5 - 91.2)	9.4	(1.1 - 17.6)	12.6	(3.2 - 22.0)	8.4	(1.0 - 15.7)
Golden Valley	61.2	(0.7 - 121.7)	0.0	na	0.0	na	34.8	(0.0 - 83.4)
Granite	62.7	(27.0 - 98.4)	18.1	(0.0 - 38.6)	10.3	(0.0 - 24.6)	6.5	(0.0 - 19.1)
Hill	68.6	(50.6 - 86.6)	7.6	(1.5 - 13.6)	13.8	(5.6 - 22.0)	9.6	(2.9 - 16.2)
Jefferson	67.2	(42.3 - 92.1)	5.7	(0.0 - 12.4)	19.4	(6.7 - 32.1)	8.4	(0.9 - 15.8)
Judith Basin	69.1	(28.0 - 110.2)	7.8	(0.0 - 23.0)	6.7	(0.0 - 19.7)	0.0	na
Lake	60.3	(48.2 - 72.4)	13.6	(7.5 - 19.7)	18.0	(11.3 - 24.7)	10.8	(5.7 - 15.9)
Lewis & Clark	73.9	(63.8 - 84.0)	11.2	(7.3 - 15.2)	17.0	(12.1 - 21.8)	9.7	(6.2 - 13.3)
Liberty	28.2	(3.3 - 53.2)	6.0	(0.0 - 17.8)	14.9	(0.0 - 35.6)	6.0	(0.0 - 17.8)
Lincoln	86.8	(70.1 - 103.6)	5.7	(1.5 - 10.0)	19.9	(11.5 - 28.4)	3.2	(0.0 - 6.3)
McCone	8.5	(0.0 - 25.2)	0.0	na	6.8	(0.0 - 20.0)	10.0	(0.0 - 29.6)
Madison	50.2	(30.0 - 70.5)	12.0	(0.8 - 23.2)	13.4	(2.6 - 24.2)	6.6	(0.0 - 14.1)
Meagher	82.9	(35.6 - 130.1)	17.2	(0.0 - 41.6)	27.2	(0.3 - 54.0)	0.0	na
Mineral	97.9	(57.8 - 138.1)	8.8	(0.0 - 21.0)	6.7	(0.0 - 16.1)	9.7	(0.0 - 20.8)
Missoula	57.8	(50.3 - 65.2)	22.5	(18.1 - 26.9)	15.2	(11.5 - 18.9)	8.1	(5.4 - 10.8)
Musselshell	87.0	(52.8 - 121.3)	11.7	(0.0 - 24.9)	21.3	(3.5 - 39.0)	8.4	(0.0 - 17.9)
Park	64.0	(47.7 - 80.2)	8.9	(2.6 - 15.2)	20.1	(11.0 - 29.2)	10.5	(4.0 - 17.0)
Petroleum	0.0	na	0.0	na	0.0	na	0.0	na
Phillips	56.2	(29.8 - 82.5)	19.7	(0.0 - 41.4)	25.4	(6.5 - 44.2)	16.8	(1.9 - 31.6)
Pondera	63.3	(38.4 - 88.3)	7.8	(0.0 - 16.7)	10.7	(0.1 - 21.2)	8.6	(0.0 - 18.4)
Powder River	38.6	(4.6 - 72.7)	8.7	(0.0 - 25.8)	8.1	(0.0 - 24.0)	0.0	na
Powell	90.4	(60.5 - 120.3)	14.9	(2.9 - 27.0)	17.8	(4.5 - 31.2)	5.6	(0.0 - 13.4)
Prairie	26.9	(0.0 - 58.4)	22.7	(0.0 - 57.4)	40.4	(0.6 - 80.1)	19.6	(0.0 - 46.8)
Ravalli	54.7	(45.2 - 64.3)	24.0	(17.2 - 30.9)	15.0	(9.8 - 20.2)	4.9	(2.0 - 7.8)
Richland	94.7	(69.3 - 120.1)	5.4	(0.0 - 11.5)	18.2	(6.9 - 29.6)	3.5	(0.0 - 8.4)
Roosevelt	87.0	(60.2 - 113.7)	4.4	(0.0 - 10.6)	9.6	(1.0 - 18.2)	11.5	(2.2 - 20.8)
Rosebud	98.9	(65.5 - 132.2)	6.5	(0.0 - 13.9)	22.9	(6.7 - 39.1)	14.9	(2.5 - 27.2)
Sanders	58.4	(40.5 - 76.2)	14.8	(4.8 - 24.9)	17.3	(7.8 - 26.8)	12.7	(4.8 - 20.6)
Sheridan	55.8	(29.3 - 82.3)	15.2	(0.0 - 30.5)	26.6	(8.8 - 44.5)	13.9	(0.2 - 27.6)
Silver Bow	75.0	(63.1 - 86.8)	24.5	(17.4 - 31.6)	15.4	(10.0 - 20.8)	11.7	(7.0 - 16.4)
Stillwater	65.4	(42.2 - 88.6)	24.8	(10.7 - 38.9)	17.3	(5.2 - 29.4)	22.1	(8.2 - 35.9)
Sweet Grass	64.0	(32.2 - 95.8)	4.6	(0.0 - 13.6)	31.7	(9.2 - 54.1)	8.7	(0.0 - 20.9)
Teton	45.2	(24.6 - 65.8)	14.8	(2.8 - 26.8)	17.2	(4.4 - 30.1)	1.9	(0.0 - 5.7)
Toole	56.0	(29.8 - 82.2)	0.0	na	13.2	(0.1 - 26.3)	3.1	(0.0 - 9.3)
Treasure	95.4	(10.4 - 180.5)	0.0	na	80.9	(0.4 - 161.4)	32.5	(0.0 - 77.6)
Valley	73.0	(49.3 - 96.7)	12.4	(0.6 - 24.1)	21.5	(6.8 - 36.1)	20.0	(8.1 - 31.9)
Wheatland	23.6	(0.0 - 47.5)	14.4	(0.0 - 34.4)	0.0	na	17.4	(0.0 - 37.4)
Wibaux	27.6	(0.0 - 66.0)	0.0	na	19.4	(18.6 - 57.4)	0.0	na
Yellowstone	72.8	(66.4 - 79.1)	19.2	(15.9 - 22.6)	20.7	(17.3 - 24.2)	14.3	(11.5 - 17.1)

## County Incidence Rates by Site with 95% Confidence Intervals

County of Residence	Ovary		Pancreas		Prostate		Stomach	
	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates
Montana	15.1	(13.6 - 16.6)	9.8	(8.9 - 10.6)	180.9	(175.3 - 186.4)	6.6	(5.9 - 7.3)
Beaverhead	18.1	(1.9 - 34.3)	8.4	(0.1 - 16.7)	150.6	(101.3 - 200.0)	0.0	na
Big Horn	16.6	(2.0 - 31.2)	8.7	(0.1 - 17.2)	218.8	(152.8 - 284.8)	6.1	(0.0 - 13.3)
Blaine	5.8	(0.0 - 17.1)	8.5	(0.0 - 18.1)	189.7	(122.7 - 256.7)	2.8	(0.0 - 8.3)
Broadwater	34.3	(4.0 - 64.6)	7.0	(0.0 - 16.6)	111.0	(58.1 - 163.9)	0.0	na
Carbon	28.7	(9.1 - 48.3)	7.9	(1.0 - 14.9)	206.1	(154.6 - 257.6)	7.3	(0.9 - 13.7)
Carter	0.0	na	0.0	na	232.7	(84.5 - 380.9)	0.0	na
Cascade	13.2	(8.5 - 17.9)	8.8	(6.0 - 11.5)	202.6	(182.9 - 222.4)	8.2	(5.5 - 10.9)
Chouteau	19.4	(0.0 - 43.7)	2.6	(0.0 - 7.6)	167.9	(106.5 - 229.3)	6.6	(0.0 - 16.1)
Custer	15.1	(2.8 - 27.4)	14.3	(5.8 - 22.9)	207.0	(158.4 - 255.5)	2.7	(0.0 - 6.6)
Daniels	19.8	(0.0 - 48.8)	0.0	na	62.2	(11.4 - 113.1)	0.0	na
Dawson	24.5	(6.1 - 42.9)	7.1	(0.1 - 14.2)	176.3	(127.4 - 225.3)	2.2	(0.0 - 6.4)
Deer Lodge	12.0	(0.0 - 24.2)	11.1	(2.9 - 19.3)	235.2	(179.3 - 291.1)	11.0	(2.8 - 19.1)
Fallon	0.0	na	5.3	(0.0 - 15.6)	207.1	(115.1 - 299.1)	0.0	na
Fergus	16.6	(2.4 - 30.8)	13.9	(6.2 - 21.5)	225.7	(178.2 - 273.3)	11.5	(3.8 - 19.2)
Flathead	20.7	(14.6 - 26.8)	14.0	(10.4 - 17.6)	185.6	(166.3 - 204.9)	7.1	(4.5 - 9.7)
Gallatin	17.9	(10.9 - 24.8)	10.6	(6.6 - 14.6)	147.3	(125.0 - 169.6)	5.3	(2.4 - 8.1)
Garfield	0.0	na	20.1	(0.0 - 49.3)	99.8	(1.8 - 197.7)	8.2	(0.0 - 24.2)
Glacier	0.0	na	8.6	(1.0 - 16.3)	110.1	(67.2 - 153.1)	7.3	(0.1 - 14.4)
Golden Valley	55.8	(0.0 - 134.9)	0.0	na	128.6	(2.1 - 255.2)	0.0	na
Granite	29.9	(0.0 - 71.8)	16.5	(0.0 - 35.1)	121.1	(51.6 - 190.5)	0.0	na
Hill	19.3	(5.7 - 32.9)	9.3	(2.8 - 15.8)	210.7	(162.6 - 258.8)	8.8	(2.2 - 15.3)
Jefferson	16.6	(1.8 - 31.3)	12.1	(1.7 - 22.5)	146.5	(96.2 - 196.8)	8.8	(0.0 - 18.0)
Judith Basin	14.6	(0.0 - 43.2)	5.6	(0.0 - 16.7)	240.3	(130.6 - 350.1)	11.6	(0.0 - 27.7)
Lake	10.9	(3.8 - 18.1)	9.6	(4.7 - 14.4)	124.9	(99.6 - 150.2)	5.1	(1.5 - 8.6)
Lewis & Clark	15.0	(8.8 - 21.1)	9.9	(6.2 - 13.6)	187.8	(163.8 - 211.8)	4.9	(2.3 - 7.5)
Liberty	7.2	(0.0 - 21.4)	6.0	(0.0 - 17.8)	253.3	(135.7 - 370.9)	24.5	(0.0 - 57.9)
Lincoln	14.6	(4.8 - 24.4)	9.3	(3.4 - 15.1)	193.7	(155.9 - 231.6)	6.2	(1.5 - 10.8)
McCone	0.0	na	22.0	(0.0 - 47.0)	142.3	(53.8 - 230.8)	13.9	(0.0 - 33.2)
Madison	0.0	na	8.3	(0.2 - 16.5)	144.7	(96.7 - 192.7)	4.5	(0.0 - 10.8)
Meagher	0.0	na	11.1	(0.0 - 32.8)	142.8	(49.3 - 236.4)	0.0	na
Mineral	13.8	(0.0 - 33.0)	19.6	(2.3 - 36.9)	145.6	(68.7 - 222.6)	14.4	(0.2 - 28.5)
Missoula	16.8	(11.5 - 22.1)	9.0	(6.1 - 11.9)	165.1	(146.4 - 183.8)	6.5	(4.0 - 8.9)
Musselshell	15.0	(0.0 - 35.9)	6.2	(0.0 - 14.7)	147.0	(84.0 - 210.0)	12.9	(0.2 - 25.5)
Park	20.3	(7.3 - 33.2)	9.4	(3.2 - 15.5)	149.7	(112.2 - 187.3)	3.1	(0.0 - 6.7)
Petroleum	0.0	na	25.0	(0.0 - 74.1)	157.1	(0.0 - 336.0)	0.0	na
Phillips	7.5	(0.0 - 18.0)	12.4	(0.1 - 24.6)	196.3	(124.3 - 268.3)	14.0	(0.2 - 27.7)
Pondera	14.0	(0.0 - 29.9)	15.0	(3.0 - 27.1)	167.9	(107.7 - 228.1)	3.1	(0.0 - 9.1)
Powder River	0.0	na	24.9	(0.0 - 53.6)	156.1	(52.3 - 259.9)	49.9	(1.5 - 98.3)
Powell	7.5	(0.0 - 18.1)	13.5	(2.7 - 24.3)	188.7	(126.6 - 250.9)	7.1	(0.0 - 15.1)
Prairie	0.0	na	15.2	(0.0 - 36.7)	349.6	(177.8 - 521.3)	43.5	(0.0 - 87.6)
Ravalli	13.1	(6.6 - 19.5)	7.3	(3.8 - 10.8)	174.0	(149.5 - 198.6)	7.4	(3.9 - 11.0)
Richland	16.8	(0.0 - 35.2)	12.9	(3.3 - 22.5)	80.9	(46.2 - 115.6)	3.8	(0.0 - 9.1)
Roosevelt	8.5	(0.0 - 20.4)	4.0	(0.0 - 9.6)	142.8	(91.4 - 194.2)	10.2	(1.2 - 19.2)
Rosebud	25.4	(2.4 - 48.5)	16.7	(2.0 - 31.4)	153.3	(97.7 - 208.8)	8.3	(0.0 - 17.9)
Sanders	17.1	(3.1 - 31.2)	9.3	(2.3 - 16.2)	169.9	(127.5 - 212.4)	8.9	(1.7 - 16.1)
Sheridan	18.0	(0.0 - 44.4)	6.9	(0.0 - 15.0)	89.4	(42.0 - 136.8)	2.8	(0.0 - 8.2)
Silver Bow	12.3	(5.9 - 18.7)	7.9	(4.1 - 11.7)	202.1	(172.9 - 231.3)	5.2	(2.0 - 8.4)
Stillwater	19.5	(2.4 - 36.7)	12.2	(2.4 - 22.0)	224.2	(162.9 - 285.4)	1.9	(0.0 - 5.7)
Sweet Grass	9.3	(0.0 - 27.5)	7.2	(0.0 - 17.5)	203.7	(120.1 - 287.2)	14.8	(0.0 - 29.6)
Teton	13.4	(0.0 - 29.0)	0.0	na	247.2	(176.8 - 317.6)	6.4	(0.0 - 13.7)
Toole	0.0	na	9.9	(0.0 - 21.2)	142.8	(79.5 - 206.2)	19.7	(3.7 - 35.8)
Treasure	0.0	na	0.0	na	291.2	(67.2 - 515.2)	0.0	na
Valley	24.2	(4.3 - 44.1)	15.3	(5.2 - 25.3)	208.9	(152.7 - 265.1)	10.6	(2.0 - 19.3)
Wheatland	6.7	(0.0 - 19.9)	14.2	(0.0 - 35.2)	275.0	(152.2 - 397.7)	7.2	(0.0 - 21.3)
Wibaux	21.9	(0.0 - 64.9)	0.0	na	277.1	(100.6 - 453.6)	10.6	(0.0 - 31.3)
Yellowstone	13.3	(9.7 - 17.0)	9.2	(6.9 - 11.4)	199.2	(183.3 - 215.0)	5.7	(3.9 - 7.4)



## County Incidence Rates by Site with 95% Confidence Intervals

County of Residence	Thyroid		Uterus	
	Rate per 100,000	95% CI for rates	Rate per 100,000	95% CI for rates
Montana	10.0	(9.1 - 10.9)	21.8	(20.0 - 23.6)
Beaverhead	14.9	(3.8 - 26.1)	30.1	(7.3 - 52.9)
Big Horn	7.3	(0.0 - 14.6)	6.2	(0.0 - 14.8)
Blaine	7.7	(0.0 - 18.5)	42.8	(13.0 - 72.5)
Broadwater	17.3	(0.0 - 37.3)	44.4	(8.8 - 80.1)
Carbon	9.1	(1.0 - 17.1)	21.4	(5.4 - 37.4)
Carter	26.0	(0.0 - 62.1)	33.6	(0.0 - 81.0)
Cascade	7.7	(5.0 - 10.4)	29.3	(22.4 - 36.3)
Chouteau	8.5	(0.0 - 18.2)	31.8	(6.0 - 57.7)
Custer	2.8	(0.0 - 6.6)	13.9	(2.5 - 25.4)
Daniels	0.0	na	24.5	(0.0 - 58.5)
Dawson	10.6	(0.9 - 20.3)	19.0	(3.7 - 34.2)
Deer Lodge	10.8	(1.9 - 19.8)	41.0	(14.3 - 67.6)
Fallon	16.2	(0.0 - 39.6)	0.0	na
Fergus	10.4	(2.4 - 18.4)	35.6	(17.8 - 53.3)
Flathead	11.1	(7.8 - 14.4)	21.9	(15.7 - 28.2)
Gallatin	10.6	(7.1 - 14.1)	31.4	(22.0 - 40.8)
Garfield	0.0	na	20.0	(0.0 - 59.2)
Glacier	3.6	(0.0 - 8.6)	30.1	(10.4 - 49.9)
Golden Valley	19.6	(0.0 - 58.0)	87.1	(0.0 - 208.8)
Granite	4.2	(0.0 - 12.3)	0.0	na
Hill	7.3	(0.8 - 13.9)	22.2	(8.2 - 36.2)
Jefferson	1.6	(0.0 - 4.7)	21.5	(4.0 - 39.1)
Judith Basin	0.0	na	0.0	na
Lake	9.6	(4.3 - 15.0)	15.1	(6.5 - 23.8)
Lewis & Clark	10.3	(6.5 - 14.0)	30.4	(21.6 - 39.2)
Liberty	11.9	(0.0 - 35.2)	53.6	(0.4 - 106.9)
Lincoln	12.8	(6.2 - 19.5)	20.0	(8.6 - 31.4)
McCone	27.4	(0.0 - 69.5)	14.1	(0.0 - 41.8)
Madison	9.9	(0.0 - 20.5)	29.8	(4.9 - 54.7)
Meagher	0.0	na	0.0	na
Mineral	4.0	(0.0 - 11.8)	20.3	(0.0 - 43.3)
Missoula	10.5	(7.6 - 13.5)	17.6	(12.1 - 23.1)
Musselshell	2.5	(0.0 - 7.4)	26.0	(0.5 - 51.5)
Park	7.3	(1.9 - 12.6)	12.1	(2.4 - 21.8)
Petroleum	0.0	na	60.6	(0.0 - 179.3)
Phillips	7.8	(0.0 - 18.6)	16.6	(0.0 - 39.9)
Pondera	3.9	(0.0 - 11.7)	28.9	(5.7 - 52.1)
Powder River	8.1	(0.0 - 24.0)	0.0	na
Powell	10.8	(0.2 - 21.3)	14.2	(0.0 - 30.6)
Prairie	9.2	(0.0 - 27.3)	13.2	(0.0 - 39.1)
Ravalli	11.4	(6.3 - 16.5)	9.7	(4.2 - 15.2)
Richland	5.0	(0.0 - 12.1)	10.3	(0.0 - 25.3)
Roosevelt	8.2	(0.1 - 16.4)	15.3	(0.1 - 30.4)
Rosebud	9.4	(0.0 - 18.9)	9.0	(0.0 - 21.8)
Sanders	10.0	(0.0 - 20.2)	5.2	(0.0 - 12.5)
Sheridan	3.9	(0.0 - 11.5)	24.7	(1.1 - 48.3)
Silver Bow	4.1	(1.0 - 7.1)	24.5	(14.8 - 34.3)
Stillwater	16.4	(4.9 - 27.9)	24.4	(4.8 - 43.9)
Sweet Grass	8.1	(0.0 - 19.5)	10.4	(0.0 - 30.7)
Teton	10.2	(0.1 - 20.3)	19.0	(0.3 - 37.8)
Toole	7.3	(0.0 - 17.4)	38.3	(7.0 - 69.7)
Treasure	0.0	na	55.5	(0.0 - 164.2)
Valley	10.8	(0.0 - 21.8)	34.6	(12.8 - 56.5)
Wheatland	7.6	(0.0 - 22.4)	0.0	na
Wibaux	0.0	na	0.0	na
Yellowstone	13.8	(11.0 - 16.7)	19.5	(15.0 - 24.0)

# 1. Montana Population by County, 2000\*

FIPS Code	County Name	Male	Female	Total	Percent of Total Population
1	Beaverhead	4,713	4,489	9,202	1.0%
3	Big Horn	6,249	6,422	12,671	1.4%
5	Blaine	3,460	3,549	7,009	0.8%
7	Broadwater	2,236	2,149	4,385	0.5%
9	Carbon	4,785	4,767	9,552	1.1%
11	Carter	662	698	1,360	0.2%
13	Cascade	39,756	40,601	80,357	8.9%
15	Chouteau	2,997	2,973	5,970	0.7%
17	Custer	5,724	5,972	11,696	1.3%
19	Daniels	988	1,029	2,017	0.2%
21	Dawson	4,490	4,569	9,059	1.0%
23	Deer Lodge	4,703	4,714	9,417	1.0%
25	Fallon	1,434	1,403	2,837	0.3%
27	Fergus	5,787	6,106	11,893	1.3%
29	Flathead	36,911	37,560	74,471	8.3%
31	Gallatin	35,274	32,557	67,831	7.5%
33	Garfield	660	619	1,279	0.1%
35	Glacier	6,553	6,694	13,247	1.5%
37	Golden Valley	539	503	1,042	0.1%
39	Granite	1,450	1,380	2,830	0.3%
41	Hill	8,306	8,367	16,673	1.8%
43	Jefferson	5,045	5,004	10,049	1.1%
45	Judith Basin	1,209	1,120	2,329	0.3%
47	Lake	13,028	13,479	26,507	2.9%
49	Lewis & Clark	27,360	28,356	55,716	6.2%
51	Liberty	1,063	1,095	2,158	0.2%
53	Lincoln	9,542	9,295	18,837	2.1%
55	McCone	987	990	1,977	0.2%
57	Madison	3,465	3,386	6,851	0.8%
59	Meagher	968	964	1,932	0.2%
61	Mineral	2,000	1,884	3,884	0.4%
63	Missoula	47,875	47,927	95,802	10.6%
65	Musselshell	2,196	2,301	4,497	0.5%
67	Park	7,745	7,949	15,694	1.7%
69	Petroleum	259	234	493	0.1%
71	Phillips	2,305	2,296	4,601	0.5%
73	Pondera	3,169	3,255	6,424	0.7%
75	Powder River	916	942	1,858	0.2%
77	Powell	4,228	2,952	7,180	0.8%
79	Prairie	619	580	1,199	0.1%
81	Ravalli	17,910	18,160	36,070	4.0%
83	Richland	4,801	4,866	9,667	1.1%
85	Roosevelt	5,264	5,356	10,620	1.2%
87	Rosebud	4,712	4,671	9,383	1.0%
89	Sanders	5,166	5,061	10,227	1.1%
91	Sheridan	2,039	2,066	4,105	0.5%
93	Silver Bow	17,108	17,498	34,606	3.8%
95	Stillwater	4,178	4,017	8,195	0.9%
97	Sweet Grass	1,800	1,809	3,609	0.4%
99	Teton	3,174	3,271	6,445	0.7%
101	Toole	2,716	2,551	5,267	0.6%
103	Treasure	439	422	861	0.1%
105	Valley	3,802	3,873	7,675	0.9%
107	Wheatland	1,118	1,141	2,259	0.3%
109	Wibaux	513	555	1,068	0.1%
111	Yellowstone	63,084	66,268	129,352	14.3%
	<b>Montana</b>			<b>902,195</b>	

\* U.S. Census Bureau Population.

## 2. Population Figures for Montana By Five-Year Age Groups and Year, 1999-2003

Males					
Age Group	1999	2000	2001	2002	2003
0-4	27,198	28,212	27,208	27,656	27,695
5-9	30,136	31,822	29,840	29,149	28,698
10-14	34,706	35,657	33,996	33,735	33,018
15-19	38,347	36,789	36,789	37,072	36,972
20-24	30,421	30,345	32,376	33,479	34,647
25-29	23,294	26,389	26,299	26,658	27,665
30-34	22,830	26,060	26,191	25,972	25,991
35-39	32,008	32,877	31,047	29,207	28,004
40-44	38,193	37,065	36,907	36,514	35,790
45-49	36,677	36,907	37,834	37,669	37,745
50-54	29,970	31,615	33,858	34,952	36,016
55-59	23,659	23,864	25,277	26,688	28,539
60-64	20,182	18,936	19,814	20,629	21,829
65-69	15,090	15,810	16,007	16,339	16,825
70-74	13,478	14,045	14,105	13,998	13,858
75-79	10,739	10,941	10,982	10,998	11,053
80-84	6,906	7,264	7,429	7,620	7,676
85+	4,924	4,882	5,258	5,503	5,782
Total	438,758	449,480	451,217	453,838	457,803
Females					
Age Group	1999	2000	2001	2002	2003
0-4	25,862	26,657	25,575	25,766	25,815
5-9	28,716	30,141	28,232	27,744	27,126
10-14	32,618	33,641	32,276	32,102	31,531
15-19	35,551	34,521	34,521	34,963	34,810
20-24	29,653	28,034	29,647	30,907	32,224
25-29	24,140	24,715	24,309	24,249	25,091
30-34	23,848	26,115	25,922	25,574	25,171
35-39	31,382	33,703	31,627	29,870	28,441
40-44	35,795	38,296	38,472	37,748	37,094
45-49	35,439	36,491	37,810	38,296	38,938
50-54	30,096	30,075	32,345	33,608	35,020
55-59	24,248	23,310	24,659	25,892	27,387
60-64	20,571	19,009	19,867	20,741	21,837
65-69	16,249	16,731	17,024	17,211	17,661
70-74	15,350	15,933	15,749	15,829	15,716
75-79	13,401	13,762	13,756	13,683	13,659
80-84	10,700	11,126	11,230	11,269	11,223
85+	10,402	10,455	10,991	11,335	11,707
Total	444,021	452,715	454,012	456,787	460,451

### 3. 2000 Standard Million Population Figures By Five-Year Age Groups

Age Group	Population
0-4	69,135
5-9	72,533
10-14	73,032
15-19	72,169
20-24	66,478
25-29	64,529
30-34	71,044
35-39	80,762
40-44	81,851
45-49	72,118
50-54	62,716
55-59	48,454
60-64	38,793
65-69	34,264
70-74	31,773
75-79	26,999
80-84	17,842
85+	15,508
Total	1,000,000

Source: SEER Program, National Cancer Institute, 2002.

**Standard Site Analysis Categories  
ICD-O-3 Codes by Anatomical Site**

Site Group	ICD-O-3 Site Codes	ICD-O-3 Histology (Type)
Oral Cavity and Pharynx		
Lip	C000-C009	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Tongue	C019-C029	
Salivary Gland	C079-C089	
Floor of Mouth	C040-C049	
Gum and Other Mouth	C030-C039, C050-C059, C060-C069	
Nasopharynx	C110-C119	
Tonsil	C090-C099	
Oropharynx	C100-C109	
Hypopharynx	C129, C130-C139	
Other Oral Cavity and Pharynx	C140, C142-C148	
Digestive System		
Esophagus	C150-C159	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Stomach	C160-C169	
Small Intestine	C170-C179	
Colon	C180-C189, C260	
Rectum & Rectosigmoid	C199-C209	
Anus, Anal Canal, and Anorectum	C210-C212, C218	
Liver	C220	
Intrahepatic Bile Duct	C221	
Gallbladder	C239	
Other Biliary	C240-C249	
Pancreas	C250-C259	
Retroperitoneum	C480	
Peritoneum, Omentum, and Mesentery	C481-C482	
Other Digestive Organs	C268-C269, C488	
Respiratory System		
Nose, Nasal Cavity, and Middle Ear	C300-C301, C310-C319	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Larynx	C320-C329	
Lung and Bronchus	C340-C349	
Pleura	C384	
Trachea, Mediastinum, and Other Respiratory Organs	C339, C381-C383, C388, C390, C398, C399	
Bones and Joints	C400-C419	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Soft Tissue Including Heart	C380, C470-C479, C490-C499	Excluding 9590-9989, and sometimes 9050-9055, 9140+

Site Group	ICD-O-3 Site Codes	ICD-O-3 Histology (Type)
Skin Excluding Basal and Squamous		
Melanoma of the Skin	C440-C449	8720-8790
Other Non-Epithelial Skin	C440-C449	Excluding 8000-8005, 8010-8045, 8050-8084, 8090-8110, 8720-8790, 9590-9989, and sometimes 9050-9055, 9140+
Breast	C500-C509	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Female Genital System		
Cervix Uteri	C530-C539	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Corpus Uteri and Uterus	C540-C549, C559	
Ovary	C569	
Vagina	C529	
Vulva	C510-C519	
Other Female Genital Organs	C570-C589	
Male Genital System		
Prostate	C619	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Testis	C620-C629	
Penis	C600-C609	
Other Male Genital Organs	C630-C639	
Urinary System		
Urinary Bladder	C670-C679	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Kidney and Renal Pelvis	C649, C659	
Ureter	C669	
Other Urinary Organs	C680-C689	
Eye and Orbit	C679-C699	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Brain and Other Nervous System		
Brain	C710-C719	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Cranial Nerves and Other Nervous System	C710-C719	9530-9539
	C700-C709, C720-C729	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Endocrine System		
Thyroid	C739	Excluding 9590-9989, and sometimes 9050-9055, 9140+
Other Endocrine Including Thymus	C379, C740-C749, C750-C759	
Lymphoma		
Hodgkin Lymphoma		
Hodgkin – Nodal	C024, C098-C099, C111, C142, C379, C422, C770-C779	9650-9667
Hodgkin – Extranodal	All Other Sites	

Site Group	ICD-O-3 Site Codes	ICD-O-3 Histology (Type)
<b>Non-Hodgkin Lymphoma</b>		
NHL – Nodal	C024, C098-C099, C111, C142, C379, C422, C770-C779	9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729, 9823, 9827
NHL – Extranodal	All sites except C024, C098-C099, C111, C142, C379, C422, C770-C779	9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729
	All sites except C024, C098-C099, C111, C142, C379, C422, C770-C779	9823, 9827
<b>Myeloma</b>		9731-9732, 9734
<b>Leukemia</b>		
<b>Lymphocytic Leukemia</b>		
Acute Lymphocytic Leukemia		9826, 9835-9837
Chronic Lymphocytic Leukemia	C420, C421, C424	9823
Other Lymphocytic Leukemia		9820, 9832-9834, 9940
<b>Myeloid and Monocytic Leukemia</b>		
Acute Myeloid Leukemia		9840, 9861, 9866, 9867, 9871-9874, 9895-9897, 9910, 9920
Acute Monocytic Leukemia		9891
Chronic Myeloid Leukemia		9863, 9875, 9876, 9945, 9946
Other Myeloid/Monocytic Leukemia		9860, 9930
<b>Other Leukemia</b>		
Other Acute Leukemia		9801, 9805, 9931
Aleukemic, Subleukemic, and NOS		9733, 9742, 9800, 9831, 9870, 9948, 9963, 9964
	C420, C421, C424	9827
<b>Mesothelioma</b>		9050-9055
<b>Kaposi Sarcoma</b>		9140
<b>Miscellaneous</b>		9740-9741, 9750-9758, 9760-9769, 9950, 9960-9962, 9970, 9975, 9980, 9982-9987, 9989
	C760-C768, C809	Excluding 9590-9989, and sometimes 9050-9055, 9140+
	C420-C424	
	C770-C779	

# Reported Malignant\* Neoplasms by Anatomical Site and Sex Montana Residents, 1999-2003 Diagnoses

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL	PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
<b>TOTAL, ALL CANCERS</b>	<b>12,699</b>	<b>11,640</b>	<b>24,339</b>	<b>Female Genital System</b>	---	<b>1,344</b>	<b>1,344</b>
<b>Oral Cavity and Pharynx</b>	<b>360</b>	<b>150</b>	<b>510</b>	Cervix	---	193	193
Lip	85	20	105	Uterus	---	576	576
Tongue	76	35	111	Ovary	---	396	396
Major Salivary gland	31	21	52	Vagina	---	28	28
Floor of Mouth	24	8	32	Vulva	---	136	136
Gum & Other Mouth	34	28	62	Other Female Genital Organs	---	15	15
Nasopharynx	8	3	11	<b>Male Genital System</b>	<b>4,342</b>	---	<b>4,342</b>
Tonsil	64	20	84	Prostate	4,160	---	4,160
Oropharynx	12	6	18	Testis	149	---	149
Hypopharynx	17	7	24	Penis	28	---	28
Pharynx	9	2	11	Other Male Genital Organs	5	---	5
<b>Digestive System</b>	<b>2,232</b>	<b>1,834</b>	<b>4,066</b>	<b>Urinary System</b>	<b>1,257</b>	<b>502</b>	<b>1,759</b>
Esophagus	178	52	230	Bladder	854	264	1,118
Stomach	211	119	330	Kidney & Renal Pelvis	366	219	585
Small Intestine	49	37	86	Ureter	27	18	45
Colon	887	923	1,810	Other Urinary Organs	10	1	11
Rectum & Rectosigmoid	449	274	723	<b>Brain &amp; Other Nervous System</b>	<b>187</b>	<b>140</b>	<b>327</b>
Anus & Anocanal	27	34	61	Brain	178	139	317
Liver & Intrahepatic Bile Duct	106	61	167	Other Nervous System	9	1	10
Gallbladder	20	35	55	<b>Endocrine System</b>	<b>121</b>	<b>376</b>	<b>497</b>
Other Biliary	29	32	61	Thyroid Gland	108	353	461
Pancreas	253	235	488	Other Endocrine	13	23	36
Retroperitoneum	10	8	18	<b>Lymphomas**</b>	<b>556</b>	<b>446</b>	<b>1,002</b>
Peritoneum	3	18	21	Hodgkin Lymphoma	70	59	129
Other Digestive Organs	10	6	16	Non-Hodgkin Lymphoma	486	387	873
<b>Respiratory System</b>	<b>1,936</b>	<b>1,503</b>	<b>3,439</b>	<b>Multiple Myeloma</b>	<b>147</b>	<b>102</b>	<b>249</b>
Nasal Cavity & Sinuses	23	15	38	<b>Leukemias</b>	<b>371</b>	<b>245</b>	<b>616</b>
Larynx	142	41	183	Acute Lymphocytic	18	24	42
Lung & Bronchus	1,763	1,445	3,208	Chronic Granulocytic	136	80	216
Trachea & Pleura	8	2	10	Acute Myeloid	102	77	179
<b>Bones &amp; Joints</b>	<b>20</b>	<b>25</b>	<b>45</b>	Chronic Myeloid	57	29	86
<b>Soft Tissue</b>	<b>57</b>	<b>61</b>	<b>118</b>	Other Leukemia	58	35	93
<b>Skin</b>	<b>630</b>	<b>489</b>	<b>1,119</b>	<b>Eye</b>	<b>26</b>	<b>21</b>	<b>47</b>
Melanoma	602	463	1,065	<b>Unknown and Ill-defined Sites</b>	<b>438</b>	<b>402</b>	<b>840</b>
Other Skin	28	26	2,184				
<b>Breast</b>	<b>19</b>	<b>4,000</b>	<b>4,019</b>				

\* Malignant neoplasms include all invasive cases plus bladder-in-situ cases.

\*\* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).



## Ranked Cumulative Percent of Invasive Cancers by Anatomical Site

Rank	Anatomical Site Grouping*	MALE	FEMALE	TOTAL	Percent of Total Cases	Ranked Cumulative Percent
1	Prostate	4,115	-	4,115	18.61%	18.61%
2	Breast	17	3,259	3,276	14.82%	33.43%
3	Lung & Bronchus	1,758	1,444	3,202	14.48%	47.91%
4	Colorectal	1,286	1,157	2,443	11.05%	58.95%
5	Bladder*	854	264	1,118	5.06%	64.01%
6	Non-Hodgkin Lymphoma	486	387	873	3.95%	67.96%
7	Melanoma	415	329	744	3.36%	71.32%
8	Leukemia	371	245	616	2.79%	74.11%
9	Kidney & Renal Pelvis	359	212	571	2.58%	76.69%
10	Uterus	-	568	568	2.57%	79.26%
11	Oral Cavity & Pharynx	352	145	497	2.25%	81.51%
12	Pancreas	251	235	486	2.20%	83.71%
13	Thyroid	108	353	461	2.08%	85.79%
14	Ovary	-	395	395	1.79%	87.58%
15	Brain & Other CNS	187	140	327	1.48%	89.06%
16	Stomach	209	115	324	1.47%	90.52%
17	Multiple Myeloma	147	102	249	1.13%	91.65%
18	Esophagus	177	52	229	1.04%	92.68%
19	Cervix	-	193	193	0.87%	93.56%
20	Larynx	138	39	177	0.80%	94.36%
21	Liver	105	61	166	0.75%	95.11%
22	Testis	148	-	148	0.67%	95.78%
23	Hodgkin Lymphoma	70	59	129	0.58%	96.36%
24	Soft Tissue	57	61	118	0.53%	96.89%
25	Small Intestine	49	37	86	0.39%	97.28%
26	Other Biliary	29	31	60	0.27%	97.55%
27	Anus & Anocanal	25	30	55	0.25%	97.80%
28	Vulva	-	54	54	0.24%	98.05%
29	Other Skin Cancers	28	26	54	0.24%	98.29%
30	Gallbladder	19	34	53	0.24%	98.53%
31	Bones & Joints	20	25	45	0.20%	98.73%
32	Eye	21	21	42	0.19%	98.92%
33	Nasal Cavity & Sinuses	23	15	38	0.17%	99.10%
34	Ureter	22	14	36	0.16%	99.26%
35	Other Endocrine	13	23	36	0.16%	99.42%
36	Penis	22	-	22	0.10%	99.52%
37	Peritoneum	3	18	21	0.09%	99.62%
38	Retroperitoneum	10	8	18	0.08%	99.70%
39	Other Digestive Organs	10	6	16	0.07%	99.77%
40	Vagina	-	14	14	0.06%	99.83%
41	Other Female Genital Organs	-	14	14	0.06%	99.90%
42	Trachea & Pleura	8	2	10	0.05%	99.94%
43	Other Urinary Organs	7	1	8	0.04%	99.98%
44	Other Male Genital Organs	5	-	5	0.02%	100.00%
	<b>Total Excluding Unknowns</b>	<b>11,924</b>	<b>10,188</b>	<b>22,112</b>	100.00%	
	<b>Unknown and Ill-defined Sites</b>	<b>438</b>	<b>402</b>	<b>840</b>		
	<b>Total Invasive Cancers</b>	<b>12,362</b>	<b>10,590</b>	<b>22,952</b>		

\* Non-Hodgkin Lymphoma (NHL) and Hodgkin Lymphoma are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

**Reported Malignant Neoplasms by Anatomical Site, Sex and County  
Montana Residents, 1996-2000 Diagnoses**

County of Residence	All Sites		Bladder		Brain		Breast		Cervix	Colon	
	Males	Females	Males	Females	Males	Females	Males	Females	Females	Males	Females
Montana	11,329	10,186	783	248	181	165	17	3,270	205	882	884
Beaverhead	148	107	10	2	1	1	-	28	1	12	11
Big Horn	133	120	9	3	1	1	-	36	2	6	9
Blaine	85	78	2	1	-	2	-	24	-	8	4
Broadwater	59	63	2	3	1	1	-	18	1	3	4
Carbon	153	119	8	6	1	3	-	31	2	10	9
Carter	17	12	-	1	-	-	-	4	-	2	2
Cascade	1,116	1,067	71	23	18	14	3	361	18	82	97
Chouteau	87	74	8	3	1	1	-	28	1	11	5
Custer	204	173	11	3	1	3	-	48	4	17	24
Daniels	35	31	2	1	1	1	-	7	2	2	2
Dawson	133	125	11	4	-	2	1	33	3	10	17
Deer Lodge	167	145	8	2	1	2	1	40	6	13	20
Fallon	42	31	2	3	2	-	-	9	-	3	3
Fergus	218	195	13	4	1	3	-	48	2	21	18
Flathead	749	798	44	14	14	13	1	267	22	63	57
Gallatin	486	510	44	12	7	11	1	195	9	32	43
Garfield	20	14	1	-	-	-	-	4	1	1	1
Glacier	141	107	5	1	2	4	-	34	5	19	10
Golden Valley	25	16	2	-	1	-	-	4	1	-	-
Granite	41	26	4	1	-	-	-	8	-	3	3
Hill	213	194	15	7	5	3	1	67	4	30	13
Jefferson	113	88	11	4	3	2	-	25	3	11	8
Judith Basin	38	29	2	1	1	-	-	9	2	2	3
Lake	333	266	16	9	3	5	-	76	9	25	25
Lewis & Clark	650	630	42	21	18	7	2	221	12	40	53
Liberty	30	31	1	3	1	1	-	10	1	2	3
Lincoln	268	235	24	3	6	5	1	85	4	18	19
McCone	35	15	3	-	1	1	-	3	1	1	1
Madison	91	82	11	3	-	3	-	28	1	3	3
Meagher	28	23	3	1	1	-	-	5	1	2	2
Mineral	66	33	5	1	-	1	-	8	-	1	1
Missoula	900	934	69	21	23	9	1	336	13	64	75
Musselshell	77	70	5	-	1	2	-	26	2	5	4
Park	192	195	22	3	4	4	-	61	4	15	19
Petroleum	6	8	1	1	-	-	-	2	-	1	-
Phillips	82	68	3	2	-	-	-	21	-	8	7
Pondera	98	83	8	-	1	1	-	20	-	12	6
Powder River	25	13	4	-	1	-	-	7	-	1	1
Powell	134	81	10	3	2	-	-	15	1	4	6
Prairie	33	16	2	-	-	-	-	5	-	3	-
Ravalli	491	391	41	9	9	7	1	123	8	48	41
Richland	116	107	8	3	1	3	-	40	3	6	11
Roosevelt	97	97	2	1	4	1	-	25	4	6	11
Rosebud	97	81	6	2	-	2	-	27	2	8	5
Sanders	196	133	14	2	3	2	1	41	2	14	9
Sheridan	62	59	3	-	2	-	1	13	1	6	2
Silver Bow	514	432	36	15	8	6	1	103	6	48	60
Stillwater	162	86	7	1	1	1	-	26	2	12	11
Sweet Grass	62	48	6	1	1	1	-	15	-	8	7
Teton	97	92	4	5	1	1	-	35	-	12	6
Toole	70	53	2	1	1	1	-	21	-	8	2
Treasure	15	11	1	-	-	1	-	3	-	2	-
Valley	170	103	10	2	2	1	-	31	-	15	10
Wheatland	41	23	4	-	-	-	-	11	1	5	2
Wibaux	12	13	1	-	-	1	-	4	-	-	3
Yellowstone	1,648	1,545	122	35	24	31	1	494	38	118	116
Unknown County	8	7	2	1	-	-	-	1	-	-	-

**Reported Malignant Neoplasms by Anatomical Site, Sex and County  
Montana Residents, 1996-2000 Diagnoses**

County of Residence	Esophagus		Hodgkins Disease		Kidney & Renal Pelvis		Larynx		Leukemia	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Montana	180	32	72	66	305	204	152	39	310	248
Beaverhead	-	-	3	-	3	4	1	-	5	4
Big Horn	4	2	-	-	4	3	3	-	5	5
Blaine	1	-	-	1	2	3	1	-	1	1
Broadwater	2	-	1	-	3	2	-	-	3	-
Carbon	4	-	-	1	3	1	4	-	6	1
Carter	-	-	-	-	-	-	-	-	1	-
Cascade	18	2	7	8	37	27	13	6	27	26
Chouteau	2	-	-	-	4	1	-	-	2	3
Custer	-	1	3	-	6	4	3	-	3	6
Daniels	-	-	-	1	2	1	1	-	3	1
Dawson	3	-	1	-	-	2	-	-	5	5
Deer Lodge	2	2	-	-	3	2	1	-	3	4
Fallon	1	-	-	1	1	1	-	-	1	2
Fergus	7	1	1	-	7	5	2	2	10	8
Flathead	12	-	2	5	26	16	6	2	14	13
Gallatin	6	3	6	4	18	10	3	1	18	8
Garfield	1	-	-	-	-	-	-	-	-	1
Glacier	1	-	1	1	6	2	2	1	4	4
Golden Valley	3	-	-	1	-	-	2	-	-	-
Granite	2	-	-	1	-	-	1	-	-	1
Hill	1	-	2	1	8	5	-	-	6	7
Jefferson	1	-	-	2	3	2	-	-	3	4
Judith Basin	1	-	1	-	1	2	-	-	1	-
Lake	9	-	1	-	6	4	14	1	12	5
Lewis & Clark	14	2	6	4	10	12	10	3	16	12
Liberty	-	-	-	-	1	-	-	1	2	-
Lincoln	2	2	1	3	7	3	6	-	7	9
McCone	-	-	-	-	-	-	-	-	1	1
Madison	-	-	-	-	1	1	1	2	4	5
Meagher	-	1	-	-	2	-	1	-	-	-
Mineral	1	-	-	-	1	-	-	-	4	2
Missoula	14	1	10	5	21	17	13	3	26	22
Musselshell	1	-	-	-	2	-	1	-	2	2
Park	7	2	2	1	5	4	1	1	7	2
Petroleum	-	-	-	-	-	-	-	-	-	2
Phillips	-	-	-	1	2	4	2	-	3	1
Pondera	1	1	-	1	2	-	1	2	3	5
Powder River	-	-	1	-	-	-	-	-	-	-
Powell	2	-	1	1	5	3	2	1	3	1
Prairie	-	-	-	-	-	2	-	-	2	1
Ravalli	4	1	2	2	13	7	5	2	7	5
Richland	1	-	1	-	5	2	3	1	4	3
Roosevelt	2	-	-	2	9	5	1	-	2	1
Rosebud	3	-	-	1	2	-	4	-	1	1
Sanders	3	-	1	2	4	2	7	1	3	3
Sheridan	-	-	-	-	-	1	-	-	2	3
Silver Bow	4	5	3	-	18	7	10	1	12	10
Stillwater	4	1	1	1	4	1	3	-	9	1
Sweet Grass	1	-	-	-	2	-	-	-	1	3
Teton	2	1	-	-	-	2	-	-	2	2
Toole	2	-	1	-	4	-	1	2	3	1
Treasure	-	-	-	-	-	-	-	-	-	-
Valley	1	-	-	1	4	2	2	1	5	1
Wheatland	-	-	-	-	-	1	2	-	1	-
Wibaux	-	-	-	-	-	1	-	-	-	-
Yellowstone	30	4	12	14	38	30	19	5	44	40
Unknown County	-	-	1	-	-	-	-	-	1	-

**Reported Malignant Neoplasms by Anatomical Site, Sex and County  
Montana Residents, 1996-2000 Diagnoses**

County of Residence	Lung		Melanoma of Skin		Multiple Myeloma		Non-Hodgkin Lymphoma		Oral Cavity & Pharynx	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Montana	1,813	1,398	324	237	142	111	468	406	307	132
Beaverhead	19	16	4	5	-	2	4	8	3	3
Big Horn	24	15	4	1	4	4	5	5	4	2
Blaine	10	16	1	3	-	2	2	3	7	1
Broadwater	10	13	-	-	-	-	3	5	3	1
Carbon	22	18	6	1	2	1	9	6	3	1
Carter	2	2	-	-	-	-	3	-	-	-
Cascade	174	134	39	27	14	6	42	33	28	15
Chouteau	7	6	2	1	-	3	5	1	1	1
Custer	35	32	4	1	2	2	7	4	6	-
Daniels	4	7	-	-	2	-	2	1	-	1
Dawson	22	19	6	1	-	2	5	5	6	2
Deer Lodge	28	27	2	4	2	-	7	4	5	2
Fallon	6	3	-	-	-	-	1	2	1	2
Fergus	38	33	9	2	2	5	10	8	4	4
Flathead	130	104	15	16	16	8	37	36	18	9
Gallatin	73	46	18	15	6	6	20	16	9	6
Garfield	2	1	1	-	1	-	1	3	1	-
Glacier	23	19	3	-	3	-	5	4	5	5
Golden Valley	7	2	-	-	-	-	-	2	-	-
Granite	6	5	-	1	2	-	3	-	1	-
Hill	32	29	1	2	3	4	4	5	7	1
Jefferson	22	12	2	-	2	-	6	4	3	-
Judith Basin	6	2	-	1	-	-	1	1	-	1
Lake	59	36	16	5	4	5	11	9	7	4
Lewis & Clark	102	80	21	12	10	4	31	26	19	9
Liberty	2	3	-	-	-	-	2	1	-	-
Lincoln	66	26	11	3	3	2	13	9	11	2
McCone	2	2	1	-	-	-	5	1	1	1
Madison	9	8	1	-	-	1	4	7	6	-
Meagher	5	7	-	1	-	-	-	1	-	-
Mineral	14	7	4	-	1	1	1	-	2	-
Missoula	138	129	45	34	12	7	34	39	23	11
Musselshell	12	10	2	-	-	2	4	4	2	-
Park	22	30	2	4	4	1	11	8	3	2
Petroleum	1	-	-	-	-	-	-	-	-	-
Phillips	12	8	1	2	2	2	3	2	1	-
Pondera	9	11	2	2	-	1	5	8	3	-
Powder River	5	1	-	-	-	-	1	1	-	-
Powell	21	9	5	2	1	2	2	6	-	1
Prairie	4	1	-	1	-	-	3	2	1	1
Ravalli	77	53	20	19	3	1	15	13	16	5
Richland	33	9	8	1	2	5	4	3	2	3
Roosevelt	22	14	-	2	3	1	2	3	4	1
Rosebud	24	11	2	1	-	-	-	5	3	1
Sanders	41	24	2	5	3	-	9	7	6	1
Sheridan	14	8	-	1	-	-	1	4	3	2
Silver Bow	93	63	11	18	5	7	14	19	12	9
Stillwater	17	11	7	3	3	2	4	3	9	1
Sweet Grass	7	9	-	-	-	2	6	3	3	1
Teton	12	10	4	1	-	-	5	3	-	-
Toole	10	11	-	-	1	-	2	-	1	1
Treasure	1	1	-	-	-	-	2	2	2	-
Valley	25	15	4	1	3	3	12	2	5	1
Wheatland	4	4	3	-	-	-	-	-	1	-
Wibaux	1	2	-	1	-	-	1	-	-	-
Yellowstone	247	223	35	37	21	17	79	59	46	18
Unknown County	-	1	-	-	-	-	-	-	-	-

**Reported Malignant Neoplasms by Anatomical Site, Sex and County  
Montana Residents, 1996-2000 Diagnoses**

County of Residence	Ovary	Pancreas		Prostate	Rectum & Rectosigmoid		Stomach		Testis	Thyroid		Uterus
	Females	Males	Females	Males	Males	Females	Males	Females	Males	Males	Females	Females
Montana	402	254	218	3,522	406	252	196	92	128	92	266	530
Beaverhead	5	5	1	57	4	2	-	-	1	6	2	6
Big Horn	4	4	5	43	4	2	2	2	-	-	5	4
Blaine	4	3	1	34	6	1	-	-	1	-	1	8
Broadwater	2	1	1	24	-	2	-	-	-	-	3	5
Carbon	6	2	2	54	7	7	2	2	2	1	4	3
Carter	-	-	1	7	1	-	-	-	-	-	-	2
Cascade	36	19	19	367	34	26	25	8	12	9	17	64
Chouteau	2	5	1	25	3	4	1	1	1	1	2	7
Custer	6	6	10	64	13	1	4	-	2	-	1	11
Daniels	-	1	-	14	-	2	-	-	1	-	-	1
Dawson	3	2	3	41	7	4	2	-	1	-	7	7
Deer Lodge	4	4	1	61	6	5	3	3	-	1	1	7
Fallon	-	-	1	16	5	-	-	-	1	-	1	2
Fergus	8	9	6	62	6	12	4	-	4	-	4	13
Flathead	45	30	17	213	28	16	12	13	4	6	23	48
Gallatin	24	15	7	132	21	9	7	2	14	3	18	20
Garfield	-	-	-	9	1	-	-	-	1	-	-	1
Glacier	-	2	-	41	9	-	1	1	1	2	3	4
Golden Valley	3	-	-	9	1	-	-	-	-	-	-	3
Granite	2	1	1	13	1	-	1	-	-	-	1	2
Hill	6	6	1	70	4	6	4	5	3	1	2	13
Jefferson	6	1	4	31	3	1	3	1	2	-	3	3
Judith Basin	1	-	-	19	1	1	-	-	-	-	1	2
Lake	13	8	6	92	18	7	6	1	3	2	7	15
Lewis & Clark	30	8	15	213	26	17	7	3	7	7	15	29
Liberty	-	-	2	14	-	-	3	-	2	-	-	2
Lincoln	12	6	1	49	5	4	4	1	2	4	7	14
McCone	-	2	1	9	2	-	1	-	-	-	1	1
Madison	3	-	3	39	2	2	2	-	-	-	3	4
Meagher	-	-	1	2	6	-	1	-	-	-	-	2
Mineral	1	2	3	20	1	-	1	1	1	-	2	1
Missoula	28	17	20	255	22	23	17	9	18	11	32	42
Musselshell	4	1	1	26	2	2	5	-	-	-	2	3
Park	13	-	3	55	12	5	2	-	1	1	4	11
Petroleum	-	-	1	2	-	1	-	-	-	-	-	-
Phillips	1	3	2	30	4	2	3	3	-	-	2	5
Pondera	4	4	3	28	7	3	-	2	2	1	1	4
Powder River	-	2	1	6	2	-	1	-	-	-	-	2
Powell	2	5	4	53	-	4	1	2	2	2	3	8
Prairie	-	-	-	14	-	-	4	-	-	-	1	1
Ravalli	19	12	11	168	10	11	4	3	3	4	11	15
Richland	4	2	2	19	7	1	1	1	2	-	2	2
Roosevelt	6	-	2	24	2	6	4	-	1	2	2	1
Rosebud	-	3	3	26	3	2	3	4	1	-	4	3
Sanders	4	7	1	59	3	3	2	-	2	-	4	7
Sheridan	3	-	1	22	2	2	1	-	-	-	2	2
Silver Bow	20	8	6	152	21	8	8	3	5	2	6	21
Stillwater	3	3	4	53	8	2	3	-	1	3	-	3
Sweet Grass	1	-	-	22	1	1	-	1	1	-	1	-
Teton	3	1	3	40	2	1	1	1	1	1	2	8
Toole	1	2	2	19	5	2	4	1	-	-	1	1
Treasure	-	-	1	4	3	1	-	-	-	-	-	-
Valley	7	4	2	47	10	1	3	3	2	-	2	9
Wheatland	-	-	1	16	1	-	2	1	-	-	-	-
Wibaux	-	-	-	6	-	-	1	-	-	-	-	1
Yellowstone	53	38	30	528	54	39	30	14	20	22	49	77
Unknown County	-	-	-	4	-	1	-	-	-	-	1	-

**Reported Malignant Neoplasms by Anatomical Site, Race and County  
Montana Residents, 1999-2003 Diagnoses**

County of Residence	All Cancers			Bladder			Brain		
	White	Native Am	Other/Unk	White	Native Am	Other/Unk	White	Native Am	Other/Unk
Montana	22,723	883	733	1,070	15	33	310	16	1
Beaverhead	218	-	8	9	-	-	6	-	-
Big Horn	147	104	5	10	1	-	1	-	-
Blaine	121	41	-	7	1	-	1	-	-
Broadwater	136	-	1	10	-	-	1	-	-
Carbon	311	1	2	13	-	-	3	-	-
Carter	35	-	-	3	-	-	1	-	-
Cascade	2,188	66	31	83	1	-	17	4	-
Chouteau	187	3	2	8	-	-	1	-	-
Custer	352	3	9	19	-	-	5	-	-
Daniels	60	-	1	1	-	-	2	-	-
Dawson	260	-	7	13	-	-	1	-	-
Deer Lodge	294	1	23	16	-	-	6	-	-
Fallon	80	-	3	5	-	-	-	-	-
Fergus	462	5	5	17	-	-	6	-	-
Flathead	2,023	12	26	73	-	-	35	-	1
Gallatin	1,144	3	147	52	-	8	13	-	-
Garfield	33	-	1	1	-	-	1	-	-
Glacier	118	125	-	4	2	-	2	3	-
Golden Valley	34	-	1	5	-	-	-	-	-
Granite	61	-	3	3	-	-	-	-	-
Hill	356	59	3	14	1	1	5	3	-
Jefferson	212	3	17	9	-	2	4	-	-
Judith Basin	67	-	2	1	-	-	1	-	-
Lake	534	120	23	27	3	1	9	3	-
Lewis & Clark	1,422	24	32	66	-	-	26	-	-
Liberty	80	-	-	5	-	-	2	-	-
Lincoln	620	6	18	38	-	-	7	1	-
McCone	47	-	2	2	-	1	2	-	-
Madison	161	1	17	7	-	2	1	-	-
Meagher	61	1	2	4	-	-	1	-	-
Mineral	110	2	1	7	-	-	2	-	-
Missoula	1,921	23	23	86	-	4	26	-	-
Musselshell	163	2	2	7	-	-	4	-	-
Park	400	2	33	16	-	3	9	-	-
Petroleum	16	-	-	1	-	-	-	-	-
Phillips	141	12	-	9	1	-	-	-	-
Pondera	175	18	4	6	1	-	5	-	-
Powder River	44	-	1	4	-	-	3	-	-
Powell	197	7	16	7	1	2	3	-	-
Prairie	63	1	2	6	-	-	-	-	-
Ravalli	951	6	15	59	-	-	19	-	-
Richland	225	1	3	6	-	-	4	-	-
Roosevelt	151	83	7	5	-	-	-	-	-
Rosebud	164	44	-	6	-	-	2	1	-
Sanders	338	4	11	18	-	-	2	-	-
Sheridan	122	4	2	8	-	-	1	-	-
Silver Bow	950	4	103	61	-	5	9	-	-
Stillwater	279	-	4	8	-	-	2	-	-
Sweet Grass	107	1	4	4	-	-	1	-	-
Teton	207	3	2	8	-	-	2	-	-
Toole	133	3	3	6	-	-	3	-	-
Treasure	30	1	-	1	-	-	1	-	-
Valley	288	18	5	13	-	1	3	1	-
Wheatland	65	-	6	4	-	-	-	-	-
Wibaux	33	-	1	2	-	-	1	-	-
Yellowstone	3,618	66	91	185	3	3	48	-	-
Unknown County	8	-	3	2	-	-	-	-	-

**Reported Malignant Neoplasms by Anatomical Site, Race and County  
Montana Residents, 1999-2003 Diagnoses**

County of Residence	Breast			Cervix			Colon		
	White	Native Am	Other/Unk	White	Native Am	Other/Unk	White	Native Am	Other/Unk
Montana	3,769	149	101	174	12	7	1,692	81	37
Beaverhead	39	-	2	1	-	-	15	-	-
Big Horn	22	17	-	2	-	-	11	7	1
Blaine	23	10	-	1	-	-	9	3	-
Broadwater	25	-	-	2	-	-	7	-	1
Carbon	36	-	-	2	-	1	26	-	-
Carter	4	-	-	1	-	-	4	-	-
Cascade	389	12	4	22	2	1	145	6	2
Chouteau	32	1	-	-	-	-	21	-	-
Custer	31	1	-	-	-	-	38	-	1
Daniels	7	-	-	1	-	-	7	-	-
Dawson	33	-	1	5	-	-	19	-	1
Deer Lodge	35	-	4	1	-	-	23	-	3
Fallon	6	-	-	-	-	-	8	-	-
Fergus	61	-	2	1	-	-	38	-	-
Flathead	371	-	4	28	-	-	147	2	-
Gallatin	249	-	30	10	-	-	79	-	3
Garfield	4	-	-	1	-	-	5	-	-
Glacier	27	23	-	-	1	-	9	13	-
Golden Valley	4	-	-	-	-	-	3	-	-
Granite	11	-	-	-	-	-	6	-	-
Hill	65	6	-	-	1	-	40	7	-
Jefferson	32	-	1	1	1	-	12	-	1
Judith Basin	9	-	-	-	-	-	4	-	-
Lake	92	15	4	2	3	-	42	7	3
Lewis & Clark	263	6	2	11	1	-	97	2	1
Liberty	15	-	-	1	-	-	7	-	-
Lincoln	122	1	2	5	-	-	45	1	-
McCone	8	-	-	-	-	-	6	-	-
Madison	26	-	4	-	-	-	10	-	1
Meagher	7	1	-	1	-	-	2	-	-
Mineral	13	1	-	-	-	-	6	-	-
Missoula	386	1	2	10	-	1	128	3	1
Musselshell	24	-	-	1	-	-	12	1	-
Park	61	1	3	7	-	1	31	-	3
Petroleum	3	-	-	-	-	-	2	-	-
Phillips	13	1	-	-	-	-	16	-	-
Pondera	25	2	1	3	-	-	10	1	-
Powder River	7	-	-	-	-	-	2	-	-
Powell	22	1	-	1	-	1	16	-	-
Prairie	5	-	-	1	-	-	6	-	-
Ravalli	131	1	4	4	-	-	52	1	4
Richland	42	1	-	2	-	-	15	-	-
Roosevelt	24	20	1	-	2	1	16	7	-
Rosebud	23	7	-	-	-	-	9	9	-
Sanders	56	1	1	4	-	-	28	1	-
Sheridan	13	-	-	1	-	-	7	-	1
Silver Bow	136	1	15	6	-	-	89	-	6
Stillwater	45	-	-	3	-	-	19	-	-
Sweet Grass	17	-	-	-	-	-	6	-	-
Teton	42	1	-	2	-	-	21	-	-
Toole	21	1	1	-	-	-	12	-	-
Treasure	4	-	-	-	1	-	-	-	-
Valley	33	2	-	1	-	-	26	1	1
Wheatland	10	-	1	1	-	1	2	-	-
Wibaux	3	-	-	1	-	-	2	-	-
Yellowstone	561	14	12	27	-	-	274	9	3
Unknown County	1	-	-	-	-	-	-	-	-

**Reported Malignant Neoplasms by Anatomical Site, Race and County**  
**Montana Residents, 1999-2003 Diagnoses**

County of Residence	Esophagus			Hodgkin Lymphoma			Kidney & Renal Pelvis		
	White	Native Am	Other/Unk	White	Native Am	Other/Unk	White	Native Am	Other/Unk
Montana	217	10	3	123	4	2	538	37	10
Beaverhead	3	-	-	1	-	-	9	-	-
Big Horn	2	2	-	-	-	-	4	9	-
Blaine	1	-	-	-	1	-	2	2	-
Broadwater	1	-	-	-	-	-	4	-	-
Carbon	1	-	-	1	-	-	4	-	-
Carter	-	-	-	-	-	-	-	-	-
Cascade	24	-	-	10	-	-	61	2	1
Chouteau	4	1	-	-	-	-	7	-	-
Custer	4	-	-	2	-	-	4	-	-
Daniels	-	-	-	1	-	-	1	-	-
Dawson	3	-	-	-	-	-	4	-	-
Deer Lodge	1	-	-	2	-	-	6	-	1
Fallon	-	-	-	1	-	-	3	-	-
Fergus	3	-	-	1	-	-	7	-	-
Flathead	20	-	1	11	-	-	53	-	-
Gallatin	10	-	-	11	-	-	22	-	2
Garfield	2	-	-	-	-	-	-	-	-
Glacier	1	3	-	2	-	-	3	6	-
Golden Valley	2	-	-	-	-	-	1	-	-
Granite	1	-	-	1	-	-	1	-	-
Hill	2	-	-	2	1	-	12	4	-
Jefferson	6	-	-	1	-	-	9	-	-
Judith Basin	2	-	-	1	-	-	3	-	-
Lake	9	2	-	1	-	-	15	4	-
Lewis & Clark	19	-	1	10	-	-	25	1	1
Liberty	1	-	-	-	-	-	-	-	-
Lincoln	5	-	-	4	-	-	13	-	-
McCone	-	-	-	-	-	-	-	-	-
Madison	-	-	-	-	-	-	2	-	-
Meagher	-	-	-	1	-	-	2	-	-
Mineral	2	-	-	-	-	-	1	-	-
Missoula	12	-	-	7	-	-	44	1	1
Musselshell	1	-	-	-	-	-	4	-	-
Park	5	-	-	2	-	-	9	-	-
Petroleum	-	-	-	-	-	-	-	-	-
Phillips	1	-	-	-	1	-	3	-	-
Pondera	-	2	-	1	-	-	5	2	-
Powder River	-	-	-	1	-	-	-	-	-
Powell	2	-	-	2	-	-	9	-	2
Prairie	1	-	-	-	-	-	3	-	-
Ravalli	5	-	-	5	-	-	23	-	-
Richland	2	-	-	4	-	-	2	-	-
Roosevelt	1	-	-	1	-	-	9	4	-
Rosebud	1	-	-	1	-	-	4	-	-
Sanders	3	-	-	2	-	-	9	-	-
Sheridan	1	-	-	-	-	-	3	-	-
Silver Bow	8	-	1	4	-	1	25	-	2
Stillwater	5	-	-	3	-	-	4	-	-
Sweet Grass	3	-	-	-	-	-	1	-	-
Teton	4	-	-	-	-	-	3	-	-
Toole	-	-	-	4	-	-	4	-	-
Treasure	1	-	-	-	-	-	1	-	-
Valley	1	-	-	-	-	-	11	-	-
Wheatland	-	-	-	-	-	-	2	-	-
Wibaux	-	-	-	1	-	-	-	-	-
Yellowstone	31	-	-	21	1	1	82	2	-
Unknown County	-	-	-	-	-	-	-	-	-



**Reported Malignant Neoplasms by Anatomical Site, Race and County  
Montana Residents, 1999-2003 Diagnoses**

County of Residence	Larynx			Leukemia			Lung		
	White	Native Am	Other/Unk	White	Native Am	Other/Unk	White	Native Am	Other/Unk
Montana	170	10	3	563	26	27	3,018	166	24
Beaverhead	1	-	-	6	-	-	26	-	-
Big Horn	1	1	-	7	1	1	12	21	-
Blaine	-	-	-	2	2	-	17	5	-
Broadwater	1	-	-	2	-	-	25	-	-
Carbon	3	-	-	8	-	-	32	1	-
Carter	1	-	-	-	-	-	3	-	-
Cascade	15	-	-	38	1	-	289	19	-
Chouteau	-	-	-	7	-	-	20	-	-
Custer	1	-	-	12	-	1	57	-	-
Daniels	-	-	-	2	-	-	10	-	-
Dawson	1	-	-	6	-	-	41	-	-
Deer Lodge	1	-	-	8	-	-	43	1	-
Fallon	1	-	-	2	-	2	11	-	-
Fergus	2	-	-	18	1	-	48	4	-
Flathead	7	-	-	39	-	2	259	3	1
Gallatin	13	-	-	24	-	7	106	-	3
Garfield	-	-	-	-	-	-	1	-	-
Glacier	1	2	-	4	3	-	12	25	-
Golden Valley	1	-	-	-	-	-	4	-	-
Granite	1	-	-	1	-	-	12	-	-
Hill	-	1	-	10	2	-	49	8	-
Jefferson	1	-	1	6	-	2	29	1	1
Judith Basin	-	-	-	3	-	-	11	-	-
Lake	9	5	-	10	6	-	75	20	-
Lewis & Clark	13	-	-	36	1	1	199	5	3
Liberty	-	-	-	4	-	-	5	-	-
Lincoln	8	-	-	13	-	1	105	1	-
McCone	-	-	-	3	-	-	1	-	-
Madison	2	-	-	4	-	-	22	1	1
Meagher	1	-	-	-	-	-	12	-	-
Mineral	-	-	-	2	1	-	23	-	1
Missoula	13	-	1	39	1	2	225	8	1
Musselshell	1	-	-	5	1	-	26	-	-
Park	5	-	-	14	-	-	59	-	1
Petroleum	-	-	-	1	-	-	-	-	-
Phillips	1	-	-	5	1	-	17	1	-
Pondera	4	-	-	6	1	1	23	1	1
Powder River	-	-	-	-	-	-	5	-	-
Powell	1	-	-	9	1	1	33	3	-
Prairie	-	-	-	1	-	-	3	-	-
Ravalli	8	-	-	20	-	-	127	-	-
Richland	2	-	-	13	-	-	53	-	1
Roosevelt	1	-	-	5	1	-	27	14	-
Rosebud	3	-	-	2	1	-	31	4	-
Sanders	5	-	-	7	-	-	43	-	-
Sheridan	-	-	-	5	-	-	18	1	-
Silver Bow	11	-	1	25	-	1	154	-	2
Stillwater	3	-	-	8	-	-	31	-	-
Sweet Grass	-	-	-	3	-	-	15	1	-
Teton	2	-	-	3	-	-	20	-	-
Toole	-	-	-	3	-	-	17	1	-
Treasure	-	-	-	-	-	-	5	-	-
Valley	1	-	-	10	1	-	31	8	-
Wheatland	2	-	-	5	-	-	4	-	-
Wibaux	-	-	-	1	-	-	2	-	-
Yellowstone	22	1	-	96	-	5	490	9	8
Unknown County	-	-	-	-	-	-	-	-	-

**Reported Malignant Neoplasms by Anatomical Site, Race and County  
Montana Residents, 1999-2003 Diagnoses**

County of Residence	Melanoma of Skin			Multiple Myeloma			Non-Hodgkin Lymphoma		
	White	Native Am	Other/Unk	White	Native Am	Other/Unk	White	Native Am	Other/Unk
Montana	970	8	87	239	8	2	822	25	26
Beaverhead	11	-	1	-	-	-	9	-	-
Big Horn	5	2	-	3	2	-	4	4	-
Blaine	5	-	-	1	-	-	4	1	-
Broadwater	2	-	-	-	-	-	6	-	-
Carbon	29	-	-	4	-	-	10	-	-
Carter	-	-	-	-	-	-	-	-	-
Cascade	83	-	2	17	-	-	78	2	1
Chouteau	8	-	2	2	-	-	8	-	-
Custer	9	-	2	7	-	-	13	-	-
Daniels	1	-	-	2	-	-	3	-	-
Dawson	11	-	2	3	-	-	12	-	-
Deer Lodge	6	-	5	2	-	-	12	-	-
Fallon	1	-	-	1	-	-	2	-	-
Fergus	23	-	1	11	-	-	26	-	-
Flathead	77	-	2	17	-	-	75	-	2
Gallatin	54	-	17	10	-	-	38	1	6
Garfield	3	-	1	-	-	-	3	-	-
Glacier	4	3	-	-	1	-	4	3	-
Golden Valley	-	-	-	1	-	-	-	-	-
Granite	3	-	-	1	-	-	2	-	-
Hill	6	-	1	4	-	-	9	2	-
Jefferson	3	-	1	2	-	-	9	-	1
Judith Basin	3	-	1	-	-	-	1	-	-
Lake	23	-	3	8	1	1	24	3	1
Lewis & Clark	36	-	1	13	-	-	45	2	1
Liberty	2	-	-	1	-	-	2	-	-
Lincoln	9	-	3	6	-	-	21	-	1
McCone	1	-	-	-	-	-	1	-	-
Madison	6	-	1	3	-	-	6	-	-
Meagher	2	-	1	1	-	-	4	-	-
Mineral	5	-	-	2	-	-	2	-	-
Missoula	139	-	1	15	-	1	63	1	2
Musselshell	7	-	1	5	-	-	6	-	-
Park	9	-	1	6	-	-	19	-	-
Petroleum	-	-	-	-	-	-	-	-	-
Phillips	4	-	-	3	-	-	5	2	-
Pondera	6	-	-	3	-	-	4	-	-
Powder River	2	-	-	-	-	-	1	-	-
Powell	6	-	1	2	-	-	6	-	1
Prairie	3	-	-	-	-	-	4	-	-
Ravalli	74	-	-	9	1	-	33	-	-
Richland	3	-	-	5	-	-	10	-	-
Roosevelt	3	-	1	2	2	-	4	1	-
Rosebud	4	1	-	1	-	-	7	1	-
Sanders	12	-	1	5	-	-	13	-	-
Sheridan	5	-	-	1	-	-	9	-	-
Silver Bow	42	-	16	9	-	-	26	-	6
Stillwater	18	-	1	2	-	-	8	-	-
Sweet Grass	2	-	-	3	-	-	8	-	-
Teton	8	-	1	1	-	-	7	-	-
Toole	-	-	-	1	-	-	4	-	-
Treasure	-	-	-	-	-	-	4	-	-
Valley	7	1	1	4	-	-	8	1	-
Wheatland	5	-	-	1	-	-	-	-	-
Wibaux	-	-	-	1	-	-	1	-	-
Yellowstone	180	1	15	38	1	-	138	1	4
Unknown County	-	-	-	-	-	-	1	-	-

**Reported Malignant Neoplasms by Anatomical Site, Race and County**  
**Montana Residents, 1999-2003 Diagnoses**

County of Residence	Oral Cavity & Pharynx			Ovary			Pancreas		
	White	Native Am	Other/Unk	White	Native Am	Other/Unk	White	Native Am	Other/Unk
Montana	477	17	16	380	10	6	468	17	3
Beaverhead	4	-	1	5	-	-	4	-	-
Big Horn	5	-	-	5	-	-	3	1	-
Blaine	4	2	-	-	1	-	1	2	-
Broadwater	3	-	-	5	-	-	2	-	-
Carbon	7	-	-	9	-	-	5	-	-
Carter	1	-	-	-	-	-	-	-	-
Cascade	35	4	1	31	-	-	39	-	-
Chouteau	2	-	-	3	-	-	1	-	-
Custer	7	1	-	6	-	-	11	-	-
Daniels	1	-	1	2	-	-	-	-	-
Dawson	7	-	-	7	-	-	4	-	-
Deer Lodge	6	-	-	4	-	-	7	-	-
Fallon	4	-	-	-	-	-	1	-	-
Fergus	15	-	-	6	-	-	13	-	-
Flathead	29	-	2	43	1	1	56	1	1
Gallatin	22	-	3	23	-	3	24	2	1
Garfield	1	-	-	-	-	-	2	-	-
Glacier	4	1	-	-	-	-	1	4	-
Golden Valley	2	-	-	2	-	-	-	-	-
Granite	1	-	-	2	-	-	3	-	-
Hill	7	1	-	6	2	-	7	1	-
Jefferson	5	-	-	5	-	-	6	-	-
Judith Basin	-	-	-	1	-	-	1	-	-
Lake	15	1	1	8	1	-	13	2	-
Lewis & Clark	31	-	-	23	-	-	27	1	-
Liberty	1	-	-	1	-	-	1	-	-
Lincoln	4	-	-	9	-	-	10	-	-
McCone	1	-	-	-	-	-	3	-	-
Madison	4	-	-	-	-	-	4	-	-
Meagher	-	-	-	-	-	-	1	-	-
Mineral	3	-	-	2	-	-	5	-	-
Missoula	36	-	-	39	2	-	39	-	-
Musselshell	3	-	-	2	-	-	2	-	-
Park	9	-	1	10	-	-	9	-	-
Petroleum	-	-	-	-	-	-	1	-	-
Phillips	6	-	-	2	-	-	4	-	-
Pondera	3	-	-	3	-	-	6	-	-
Powder River	-	-	-	-	-	-	3	-	-
Powell	2	-	-	1	1	-	6	-	-
Prairie	2	-	-	-	-	-	2	-	-
Ravalli	12	-	-	16	-	-	17	-	-
Richland	2	-	-	4	-	-	7	-	-
Roosevelt	2	4	-	2	-	-	-	2	-
Rosebud	4	2	-	4	1	-	5	-	-
Sanders	10	-	-	6	-	-	6	-	1
Sheridan	4	-	-	2	-	-	3	-	-
Silver Bow	23	-	1	13	1	1	17	-	-
Stillwater	10	-	-	5	-	-	6	-	-
Sweet Grass	2	-	-	1	-	-	2	-	-
Teton	1	-	-	3	-	-	-	-	-
Toole	1	-	-	-	-	-	2	1	-
Treasure	2	-	-	-	-	-	-	-	-
Valley	10	1	-	6	-	-	9	-	-
Wheatland	2	-	1	1	-	-	2	-	-
Wibaux	-	-	-	1	-	-	-	-	-
Yellowstone	100	-	3	51	-	1	65	-	-
Unknown County	-	-	1	-	-	-	-	-	-

**Reported Malignant Neoplasms by Anatomical Site, Race and County  
Montana Residents, 1999-2003 Diagnoses**

County of Residence	Prostate			Rectum & Rectosigmoid			Stomach		
	White	Native Am	Other/Unk	White	Native Am	Other/Unk	White	Native Am	Other/Unk
Montana	3,845	93	222	658	38	27	313	15	2
Beaverhead	34	-	3	6	-	1	-	-	-
Big Horn	29	16	3	5	2	-	3	-	-
Blaine	28	3	-	1	3	-	1	-	-
Broadwater	17	-	-	6	-	-	-	-	-
Carbon	63	-	-	13	-	-	5	-	-
Carter	11	-	-	-	-	-	-	-	-
Cascade	400	5	13	71	2	2	39	-	-
Chouteau	31	-	-	8	-	-	2	-	-
Custer	68	-	4	8	-	-	2	-	-
Daniels	6	-	-	5	-	-	-	-	-
Dawson	47	-	3	9	-	-	1	-	-
Deer Lodge	62	-	7	8	-	-	7	-	-
Fallon	21	-	-	2	-	1	-	-	-
Fergus	87	-	1	13	-	1	9	-	-
Flathead	361	-	4	58	1	1	27	1	1
Gallatin	148	-	31	34	-	6	13	-	-
Garfield	4	-	-	-	-	-	1	-	-
Glacier	14	12	-	9	2	-	2	2	-
Golden Valley	3	-	1	1	-	-	-	-	-
Granite	10	-	2	-	-	1	-	-	-
Hill	69	6	1	6	2	-	4	3	-
Jefferson	31	1	6	11	-	-	4	-	-
Judith Basin	18	-	1	3	-	-	3	-	-
Lake	72	18	5	16	12	1	5	3	-
Lewis & Clark	227	2	15	43	1	2	14	-	-
Liberty	19	-	-	-	-	-	3	-	-
Lincoln	102	1	6	17	-	1	7	-	-
McCone	9	-	1	3	-	-	2	-	-
Madison	29	-	7	3	-	-	2	-	-
Meagher	9	-	-	5	-	-	-	-	-
Mineral	17	-	-	2	-	-	4	-	-
Missoula	307	-	4	43	1	-	29	-	-
Musselshell	21	-	1	5	-	-	4	-	-
Park	48	1	13	13	-	-	3	-	-
Petroleum	3	-	-	2	-	-	-	-	-
Phillips	26	3	-	8	1	-	3	1	-
Pondera	27	2	1	5	1	-	-	1	-
Powder River	8	-	1	-	-	-	5	-	-
Powell	33	-	5	-	-	1	3	-	-
Prairie	16	-	2	1	-	-	3	1	-
Ravalli	190	1	6	25	-	-	17	-	-
Richland	21	-	-	6	-	-	2	-	-
Roosevelt	23	4	3	1	5	1	3	2	-
Rosebud	26	6	-	8	1	-	3	-	-
Sanders	57	2	6	11	-	1	6	-	-
Sheridan	14	-	-	4	1	-	1	-	-
Silver Bow	156	1	29	29	-	2	10	-	-
Stillwater	53	-	2	8	-	-	1	-	-
Sweet Grass	22	-	4	4	-	-	4	-	-
Teton	46	1	1	2	-	-	3	-	-
Toole	20	-	-	5	-	1	6	-	-
Treasure	7	-	-	2	-	-	-	-	-
Valley	54	-	2	12	-	-	5	1	-
Wheatland	18	-	2	3	-	-	1	-	-
Wibaux	10	-	1	3	-	-	1	-	-
Yellowstone	591	8	24	92	3	4	40	-	1
Unknown County	2	-	1	-	-	-	-	-	-

**Reported Malignant Neoplasms by Anatomical Site, Race and County  
Montana Residents, 1999-2003 Diagnoses**

County of Residence	Testis			Thyroid			Uterus		
	White	Native Am	Other/Unk	White	Native Am	Other/Unk	White	Native Am	Other/Unk
Montana	139	6	4	438	12	11	534	24	18
Beaverhead	1	-	-	7	-	-	7	-	-
Big Horn	-	-	-	3	1	-	-	2	-
Blaine	1	-	-	1	1	-	6	2	-
Broadwater	-	-	-	3	-	-	6	-	-
Carbon	4	-	-	4	-	1	7	-	-
Carter	-	-	-	2	-	-	2	-	-
Cascade	10	-	-	29	2	-	71	1	2
Chouteau	2	-	-	3	-	-	6	-	-
Custer	3	-	-	2	-	-	6	-	-
Daniels	-	-	-	-	-	-	2	-	-
Dawson	2	-	-	5	-	-	6	-	-
Deer Lodge	-	-	-	6	-	-	8	-	2
Fallon	1	-	-	2	-	-	-	-	-
Fergus	4	-	-	7	-	-	16	-	-
Flathead	5	-	1	44	-	-	46	2	-
Gallatin	11	-	2	36	-	2	41	-	4
Garfield	1	-	-	-	-	-	1	-	-
Glacier	-	1	-	-	2	-	7	3	-
Golden Valley	-	-	-	1	-	-	2	-	-
Granite	-	-	-	1	-	-	-	-	-
Hill	4	-	-	5	-	-	8	2	-
Jefferson	2	-	-	1	-	-	6	-	-
Judith Basin	-	-	-	-	-	-	-	-	-
Lake	4	-	-	9	3	1	9	2	2
Lewis & Clark	4	-	-	29	-	1	44	2	-
Liberty	2	-	-	1	-	-	4	-	-
Lincoln	2	-	-	15	-	-	12	-	-
McCone	-	-	-	2	-	-	1	-	-
Madison	1	-	-	4	-	-	5	-	1
Meagher	-	-	-	-	-	-	-	-	-
Mineral	1	-	-	1	-	-	3	-	-
Missoula	18	2	-	49	1	1	40	-	-
Musselshell	1	-	-	1	-	-	4	-	-
Park	1	-	-	5	-	2	6	-	-
Petroleum	-	-	-	-	-	-	1	-	-
Phillips	2	-	-	2	-	-	2	-	-
Pondera	1	-	-	1	-	-	6	1	-
Powder River	-	-	-	1	-	-	-	-	-
Powell	3	-	-	3	-	1	3	-	-
Prairie	-	-	-	1	-	-	1	-	-
Ravalli	6	-	-	21	-	-	12	-	-
Richland	1	-	1	2	-	-	2	-	-
Roosevelt	-	1	-	3	1	-	3	1	-
Rosebud	-	-	-	4	-	-	-	2	-
Sanders	3	-	-	4	-	-	2	-	-
Sheridan	-	-	-	1	-	-	4	-	1
Silver Bow	2	-	-	6	-	1	19	1	5
Stillwater	1	-	-	8	-	-	5	-	1
Sweet Grass	1	-	-	2	-	-	1	-	-
Teton	1	-	-	4	-	-	4	-	-
Toole	-	-	-	2	-	-	6	-	-
Treasure	-	-	-	-	-	-	1	-	-
Valley	2	-	-	4	-	-	10	-	-
Wheatland	-	-	-	1	-	-	-	-	-
Wibaux	-	-	-	-	-	-	-	-	-
Yellowstone	31	2	-	90	1	1	70	3	-
Unknown County	-	-	-	-	-	-	-	-	-

### **Risk and Associated Factors References**

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3. Schottenfeld D, Fraumeni JF Jr, eds. *Cancer Epidemiology and Prevention*. 2<sup>nd</sup> ed. Oxford University Press, New York: 1996.